# Service Manual

**Combination VCR** 



PV-C1323 PV-C1333W PV-C1343 PV-C1353W PV-C2023 PV-C2033W PV-C2063 PV-C1323-K PV-C1333W-K PV-C2023-K PV-C2523-K

| IT  | ЕМ    | SPECIFICATION   |         | 1 2 3 4 5   |     |              | 2345 ITEM   |   | ЕМ  | SPECIFICATION | 1          | 23       | 45 |
|-----|-------|---|---------|---|-----|--------------|-------------|---|---|---------------|------------|----------|----|
|     |       | Head: 2 rotary heads helical scanning system<br>4 rotary heads helical scanning system  | $\perp$ | 0-0-C   |     | 1            |             | Таре  | SP: 1-5/16 i.p.s (33.35 mm/s), LP: 21/32 i.p.s (16.67 mm/s),<br>SLP: 7/16 i.p.s (11.12 mm/s)<br>Record/Daybook Timor 9 br. with 160 min, type tong used in SLP mode                                     |               | 00         | 000      |    |
|     | Video | Input Level: VIDEO IN Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Output Level: VIDEO OUT Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Signal-to-Noise Ratio: SP: more than 43 dB LP/SLP: more than 41 dB                    |         |   |     |              | VCR         | Speed   | Record/Playback Time: 8 hr. with 160 min. type tape used in SLP mode FF/REW Time: Less than 2-1/2 min. (120 min. type tape) *Note: FF/REW Time may be exceed specification according to tape condition. |               |            |          |    |
|     |       | LP/SLP: more than 41 dB Horizontal Resolution: Color/Monochrome: more: SP: 230 lines  | O       | SC  |     | <br> -<br> - |             | Tape<br>Format  | Tape width 12.7 mm (1/2 inch) high density tape   |               | 00         | 00       |    |
|     |       | LP/SLP: 220 lines   |         |   |     |              | FM<br>Radio | Band<br>Range   | 87.5 MHz-108.1 MHz  | 0             | 00         |          |    |
|     |       | Head: Normal Mono: 1 stationary head Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced   | 00      | +   | +   | -            | DISPLAY     | Picture<br>Tube   | 13 inch measured diagonal 90° deflection Picture Tube<br>20 inch measured diagonal 90° deflection Picture Tube<br>25 inch measured diagonal 110° deflection Picture Tube                                | 00000         | 1 1 1      |          |    |
| VCR |       | Frequency Response: Normal Mono: SP: 100 Hz-8 kHz<br>LP: 100 Hz-6 kHz   | 00      | 00  |     | 0            |             |   | Source: 120 V AC±12 V AC, 60 Hz±3 Hz  | 0             | 00         | )<br>(00 |    |
|     |       | SLP: 100 Hz-5 kHz Signal-to-Noise Ratio: Normal Mono: SP: more than 42 dB LP/SLP: more than 40 dB   | 00      | oc  | 000 |              | Power       | Consumption: Approx. 69 W (Power on), Approx. 2.5 W (Power off) Approx. 110 W (Power on), Approx. 2.5 W (Power off) Approx. 130 W (Power on), Approx. 2.5 W (Power off) | - 1 - 1   |               | 1 1 1      |          |    |
|     |       | Wow and Flutter: Normal Mono: SP: Less than 0.2 % WRMS LP: Less than 0.3 % WRMS   | 000     | 200   |     | 00           |             | Television<br>System  | EIA Standard (525 lines, 60 fields) NTSC Color Signal   | 0             | 00         | 000      |    |
|     |       | SLP: Less than 0.4 % WRMS  GENERAL  Operating 5 'C-40 'C (41 'F-104 'F) (Temperature)  Condition 10 %-75 % (Humidity)   |         | 5 'C-40 'C (41 "F-104 "F) (Temperature)<br>10 %-75 % (Humidity) | 0   | 0            | 000         |   |   |               |            |          |    |
|     | Tuner | Broadcast Channels: VHF 2~13, UHF 14~69 CABLE Channels: Midband A through I (14~22) Superband J through W (23~36) Hyperband AA~EEE (37~64) Lowband A-5~A-1 (95~99) Special CABLE channel 5A (01) Ultraband 65~94, 100~125 |         |   | 000 |              |             | Dimension<br>(W x H x D)  | 206 mm v 205 mm v 274 mm /15 2/16 inch v 15 2/16 inch v 14 2/4 inch\  |               | 0 -<br>- c | 1 1 1    |    |
|     |       |   |         | JO  |     | )            |             | Weight  | 12 kg (26.4 lbs.)<br>23 kg (50.6 lbs.)<br>31 kg (88.2 lbs.)   | 0 -           | o -<br>- c | <br>- 0  |    |
|     |       | ,   | Ш       |   |     |              |             | Solder  | This model uses lead free solder (PbF).   | 0             | 00         |          |    |

- 1. PV-C1323/ PV-C1323-K/ PV-C1333W/ PV-C1333W-K
- 2. PV-C1343/ PV-C1353W
- 3. PV-C2023/ PV-C2023-K/ PV-C2033W
- 4. PV-C2063
- 5. PV-C2523-K

Weight and dimensions shown are approximate.

Designs and specifications are subject to change without notice.



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#### **↑** WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

#### **CONTENTS**

| Page   | Page   |
|--|--|
| 1 SAFETY PRECAUTIONS3                            | 8.9. VOLTAGE CHART ······70                              |
| 2 X-RADIATION4                                   | 8.10. SIGNAL WAVEFORMS73                                 |
| 3 PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO | 9 CIRCUIT BOARD LAYOUT77                                 |
| ELECTROSTATICALLY SENSITIVE (ES) DEVICES5        | 9.1. TV/VCR MAIN C.B.A. (Models: PV-C1323/PV-C1323-      |
| 4 ABOUT LEAD FREE SOLDER (PbF)6                  | K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-           |
| 5 SERVICE NOTES (PLEASE READ)7                   | C2023/PV-C2023-K/PV-C2033W) ······77                     |
| 5.1. SERVICE NOTES7                              | 9.2. TV/VCR MAIN C.B.A. (Models: PV-C2063/PV-C2523-K)-78 |
| 6 DISASSEMBLY/ASSEMBLY PROCEDURES16              | 9.3. HEAD AMP C.B.A. / CRT C.B.A79                       |
| 6.1. CABINET SECTION ······16                    | 10 BLOCK DIAGRAMS81                                      |
| 6.2. MECHANISM SECTION21                         | 11 EXPLODED VIEWS (Models: PV-C1323/PV-C1323-K/PV-       |
| 6.3. CASSETTE UP ASSEMBLY SECTION31              | C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-       |
| 7 ADJUSTMENT PROCEDURES33                        | C2023-K/PV-C2033W/PV-C2063)89                            |
| 7.1. SERVICE FIXTURES AND TOOLS33                | 11.1. MECHANISM (TOP) SECTION89                          |
| 7.2. MECHANICAL ADJUSTMENT ······ 34             | 11.2. MECHANISM (BOTTOM) SECTION91                       |
| 7.3. ELECTRICAL ADJUSTMENT38                     | 11.3. CASSETTE UP COMPARTMENT SECTION92                  |
| 7.4. TEST POINTS AND CONTROL LOCATION46          | 11.4. CHASSIS FRAME SECTION (1)93                        |
| 8 SCHEMATIC DIAGRAMS49                           | 11.5. CHASSIS FRAME SECTION (2)94                        |
| 8.1. SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT  | 11.6. PACKING PARTS AND ACCESSORIES SECTION95            |
| NOTES49  | 12 REPLACEMENT PARTS LISTS (Models: PV-C1323/PV-C1323-   |
| 8.2. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-  | K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-           |
| C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-       | C2023/PV-C2023-K/PV-C2033W/PV-C2063)96                   |
| C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W)   | 12.1. REPLACEMENT NOTES96                                |
| 50   | 12.2. MECHANICAL REPLACEMENT PARTS LIST97                |
| 8.3. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-  | 12.3. ELECTRICAL REPLACEMENT PARTS LIST99                |
| C2063/PV-C2523-K)58                              | 13 EXPLODED VIEWS (Model: PV-C2523-K) 116                |
| 8.4. HEAD AMP SCHEMATIC DIAGRAM (Models : PV-    | 13.1. MECHANISM (TOP) SECTION 116                        |
| C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-       | 13.2. MECHANISM (BOTTOM) SECTION ······ 117              |
| C2023/PV-C2023-K/PV-C2033W/PV-C2523-K) 65        | 13.3. CASSETTE UP COMPARTMENT SECTION 118                |
| 8.5. HEAD AMP SCHEMATIC DIAGRAM (Models: PV-     | 13.4. CHASSIS FRAME SECTION (1) 119                      |
| C1343/PV-C1353W/PV-C2063) 66                     | 13.5. CHASSIS FRAME SECTION (2) 120                      |
| 8.6. CRT SCHEMATIC DIAGRAM (Models: PV-C1323/PV- | 13.6. PACKING PARTS AND ACCESSORIES SECTION 121          |
| C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-       | 14 REPLACEMENT PARTS LISTS (Model: PV-C2523-K) 122       |
| C1353W) 67                                       | 14.1. REPLACEMENT NOTES 122                              |
| 8.7. CRT SCHEMATIC DIAGRAM (Models: PV-C2023/PV- | 14.2. MECHANICAL REPLACEMENT PARTS LIST 123              |
| C2023-K/PV-C2033W/PV-C2063/PV-C2523-K) 68        | 14.3. ELECTRICAL REPLACEMENT PARTS LIST 124              |
| 8.8. INTERCONNECTION SCHEMATIC DIAGRAM 69        |  |

#### 1 SAFETY PRECAUTIONS

#### **GENERAL GUIDELINES**

#### 1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  $\triangle$  in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

- 2. An Isolation Transformer should always be used during the servicing of Combination VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination VCR from being damaged by accidental shorting that may occur during servicing.
- 3. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations are properly installed.
- 5. Before turning the receiver on, measure the resistance between B+ line and chassis ground. Connect (-) side of an ohmmeter to the B+ lines, and (+) side to chassis ground. Each line should have more resistance than specified, as follows:

(For model with 13 inch CRT)

| B+ Line | Minimum Resistance                 |
|---------|------------------------------------|
| 130.0 V | 1 k $\Omega$ (Cold chassis ground) |
| 23.5 V  | 180 $\Omega$ (Cold chassis ground) |
| 13.0 V  | 110 $\Omega$ (Cold chassis ground) |
|         |                                    |

(For model with 20 inch CRT)

| B+ Line | Minimum Resistance                 |
|---------|------------------------------------|
| 130.0 V | 1 k $\Omega$ (Cold chassis ground) |
| 21.5 V  | 180 $\Omega$ (Cold chassis ground) |
| 15.9 V  | 110 $\Omega$ (Cold chassis ground) |

(For model with 25 inch CRT)

| B+ Line | Minimum Resistance                 |
|---------|------------------------------------|
| 125.0 V | 1 k $\Omega$ (Cold chassis ground) |
| 27.0 V  | 180 $\Omega$ (Cold chassis ground) |
| 17.0 V  | 110 $\Omega$ (Cold chassis ground) |
|         | ` ,                                |

- 6. When the TV set is not used for a long period of time, unplug the power cord from the AC outlet.
- 7. Potentials, as high as 25.0 kV (For model with 13 inch CRT) or 30.0 kV (For model with 20 inch CRT) or 32.0 kV (For model with 25 inch CRT) are present when this TV set is in operation. Operation of the TV set without the rear cover involves the danger of a shock hazard from the TV set power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the CRT

ground of receiver before handling the tube.

 After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

#### LEAKAGE CURRENT COLD CHECK

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. For physically operated power switches, turn power on. Otherwise skip step 2.
- 3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, connectors, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M $\Omega$  and 12 M $\Omega$ . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

#### LEAKAGE CURRENT HOT CHECK

- Plug the AC cord directly into the AC outlet.
   Do not use a isolation transformer for this check.
- 2. Connect a 1.5 k $\Omega$ , 10 W resistor, in parallel with a 0.15  $\mu$ F capacitor, between each exposed metallic part on the set and a good earth ground , as shown in Figure 1.
- 3. Use an AC voltmeter, with 1 k $\Omega$ /V or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks. Leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

#### Hot-Check Circuit

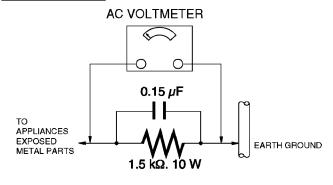


Figure 1

#### 2 X-RADIATION

#### **WARNING:**

- 1. The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.
- 2. When using a picture tube test fixture for service, ensure that the fixture is capable of handling 25.0 kV (For model with 13 inch CRT) or 30.0 kV (For model with 20 inch CRT) or 32.0 kV (For model with 25 inch CRT) without causing X-Radiation.

#### NOTE:

It is important to use an accurate periodically calibrated high voltage meter.

- 1. Reduce the brightness to minimum.
- 2. Set the SERVICE switch to SERVICE.
- 3. Measure the High Voltage. The meter reading should indicate 23.5 kV±1.5 kV (For model with 13 inch CRT) or 28.5 kV±1.5 kV (For model with 20 inch CRT) or 30.0 kV±2.0 kV (For model with 25 inch CRT).
  - If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- To prevent an X-Radiation possibly, it is essential to use the specified picture tube.

### HORIZONTAL OSCILLATOR DISABLE CIRCUIT TEST SERVICE WARNING:

The test must be made as a final check before set is returned to the customer.

- With the rear cover removed, supply about a 90 V AC power source to the set, turn on the set.
- 2. Set the customer controls to normal operating positions.
- Short both sides of R804 on the Main circuit board with a jumper wire. Confirm that the picture goes out of horizontal sync.
- 4. If this does not occur, the horizontal oscillator disable circuit is not operating. Follow the Repair Procedures of horizontal oscillator disable circuit before the set is returned to customer.

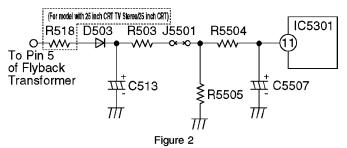
### REPAIR PROCEDURES OF HORIZONTAL OSCILLATOR DISABLE CIRCUIT

- 1. Connect a DC voltmeter between capacitor C513 (+) on the Main circuit board and chassis ground.
- 2. If approximately +21.0 V (For model with 13 inch CRT) or +21.9 V (For model with 20 inch CRT) or +23.5 V (For model with 25 inch CRT) is not present at that point when 120 V AC is applied, find the cause. Check R518 (For model with 20 inch CRT TV Stereo/25 inch CRT), R503, R5504, R5505, D503, C513, C5507 and J5501.
- Carefully check above specified parts and related circuits and parts. When the circuit is repaired, try the horizontal oscillator disable circuit test again.

#### **CIRCUIT EXPLANATION**

#### HORIZONTAL OSCILLATOR DISABLE CIRCUIT

The positive DC voltage, supplied from the D503 cathode for monitoring high voltage, is applied to the IC5301 Pin11 through R518, R503 and R5504. Under normal conditions, the voltage at IC5301 Pin 11 is less than approx 3 V. If the high voltage at Flyback Tr Pin 5 exceeds the specified voltage, the positive DC voltage which is supplied from the D503 cathode also increases. The increased voltage is applied to IC5301 Pin11 through R518, R503 and R5504. Due to the increased voltage at IC5301 Pin11, the horizontal oscillator frequency increases, the picture goes out of horizontal sync, the beam current decreases and the picture becomes dark in order to keep X-radiation under specification.



### 3 PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors are semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an antistatic solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

#### **CAUTION:**

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

#### "NOTE to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

### 4 ABOUT LEAD FREE SOLDER (PbF)

#### **Distinction of PbF PCB:**

PCBs (manufactured) using lead free solder will have a PbF stamp or printing on the PCB. (Please refer to figures.)



Printed case



Stamped case

#### **CAUTION:**

- Pb free solder has a higher melting point than standard solder;
   Typically the melting point is 50 °F 70 °F (30 °C 40 °C) higher.
   Please use a soldering iron with temperature control and adjust it to 700 °F±20 °F (370 °C± 10 °C).
   In case of using high temperature soldering iron, please be carefull not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- All products with the printed circuit board with PbF stamp or printing must be serviced with lead free solder.
   When soldering or unsoldering, completely remove all of the solder from the pins or solder area, and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

#### Recommendations

Recommended lead free solder composition is Sn96.5 Ag3.0 Cu0.5.

### **5 SERVICE NOTES (PLEASE READ)**

#### 5.1. SERVICE NOTES

#### 5.1.1. SIMPLIFIED FAULT FINDING DATA

Simplified Self-Diagnostic System facilitates finding the cause of the fault. A 4 digit for fault code and communication for I<sup>2</sup>C bus code will be displayed on TV screen.

The Simplified Fault finding data is stored in the Memory IC (IC6004). This data is cleared after it is displayed, and then the POWER button is pressed back on.

1. With power turned off, press FF and REW buttons on unit together for over 3 seconds.

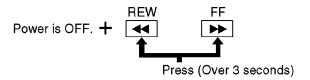


Fig. 1-1

 TV power goes on and the unit goes into service mode. 4 digit for fault code and communication for I<sup>2</sup>C bus code will be displayed.

#### Code Digit Position

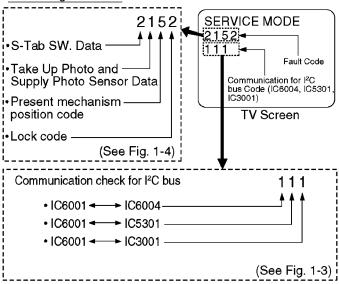


Fig. 1-2

#### (Communication check for I<sup>2</sup>C bus)

| Explanation of Codes  | С | ode | e No | ъ. |
|---|---|-----|------|----|
| Communication check for I²C bus<br>(IC6001 <del>&lt; →</del> IC6004) <b>NG</b><br><b>OK</b> | 0 |     |      |    |
| Communication check for I²C bus<br>(IC6001←►IC5301) <b>NG</b><br><b>OK</b>                  |   | 0   |      |    |
| Communication check for I²C bus<br>(IC6001 <del>&lt; →</del> IC3001) <b>NG</b><br><b>OK</b> |   |     | 0    |    |

#### (Fault Code)

| Explanation of Codes  | Code No |                  |               | 0.                         |
|---|---------|------------------|---------------|----------------------------|
| S-Tab SW. Data • S-Tab SW. is off. • S-Tab SW. is on.   | 1 2     |                  |               |                            |
| Take Up and Supply Photo Sensor Data  No light detected at either sensor.  Take Up Photo Sensor detected at beginning of tape.  Supply Photo Sensor detected at end of tape.  Light detected at both sensors.   |         | 1<br>2<br>3<br>4 |               |                            |
| Present Mechanism Position Code  Mechanism Position is indicated. (Refer to Fig. 1-5.)  |         |                  | 123456789ABCD |                            |
| Lock Code (See Note)  • VCR is not in shut-off condition.  • Reel lock.  • Cylinder lock.  • Exceeds loading/unloading time. (Mechanism Lock)  • Exceeds Cassette loading/unloading time. (Cassette Lock)  Tape Unloading (direction)  Tape Loading (direction) |         |                  | 1 2           | 0<br>1<br>2<br>3<br>4<br>4 |

Fig. 1-4

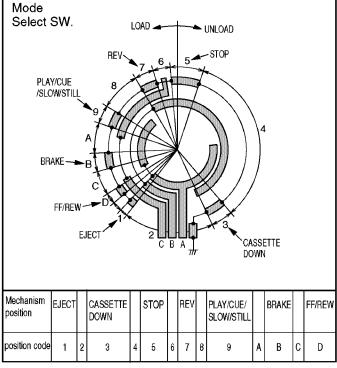
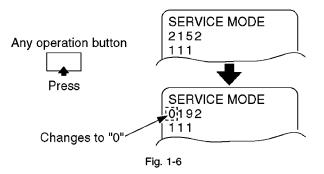


Fig. 1-5

PV-C1323

3. Press any operation button except for POWER on either the unit, or the remote to detect that a key has been pressed. The 1st digit changes to "0" only when key is detected.



#### Note:

When 1 to 4 listed in Lock code occurs, the VCR stops and all VCR function buttons except for power become non-operational.

#### 5.1.2. USAGE SCREEN MODE

Function displayed on the TV monitor:

- the total elapsed "Power on" time (in days)
- the total elapsed "Cylinder rotation" time (in hours)
- 1. With power turned on and no cassette, press STOP/EJECT button on unit and 7 key on remote together.

The USAGE SCREEN will be displayed on the TV Monitor.

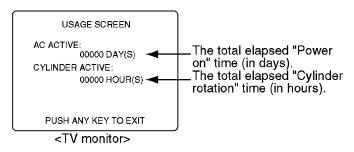


Fig. 1-7

#### Note:

- 1. After replacing the Cylinder Unit, press COUNTER RESET button on remote in this mode. Only Total elapsed "Cylinder rotation" time (in hours) will be cleared to 0.
- 2. To release from Usage Screen Mode, press any operation button on unit or insert a cassette tape in this mode. The unit will return to normal operation mode.

#### 5.1.3. SERVICE POSITION

#### 5.1.3.1. Service Position

| Service Position     | Purpose   |
|----------------------|---|
| Service Position (1) | Mechanism check<br>Mechanical adjustment<br>Electrical adjustment |
| Service Position (2) | TV/VCR Main C.B.A. check  |

#### **CAUTION:**

**HOT CIRCUIT** (Primary circuit) exists on the TV/VCR Main C.B.A. Use extreme care to prevent accidental shock when servicing.

#### 5.1.3.2. Service Position (1)

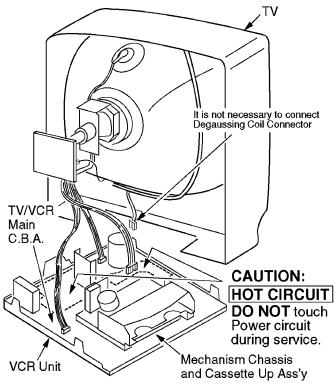


Fig. 2-1

#### 5.1.3.3. Service Position (2)

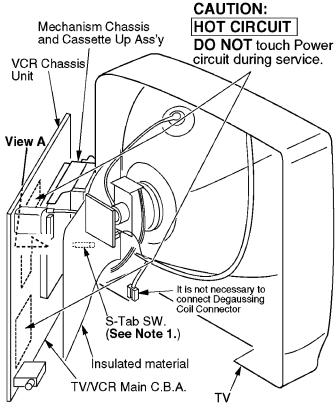
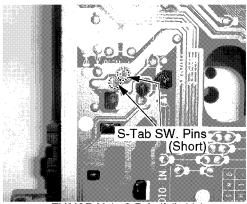


Fig. 2-2

#### Note:

1. It is possible that the S-Tab SW. may not work correctly in Service Position (2). (Recording can not be done). In this case, short the S-Tab SW. Pins on the foil side of the TV/VCR Main C.B.A. to turn this SW. on.



TV/VCR Main C.B.A. (foil side) **View A** 

Alternative method: Cover the S-Tab SW. with masking tape.

Fig. 2-3

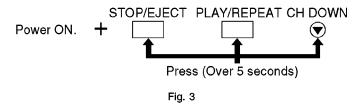
#### 5.1.4. HOT CIRCUIT

Primary circuit exists on the TV/VCR Main C.B.A.

This circuit is identified as "**HOT**" on the C.B.A. and in the Service Manual. Use extreme care to prevent accidental shock when servicing.

#### 5.1.5. SERVICE MODE

In order to inhibit detection of the Supply & Takeup Photo Transistors, Reel Sensor, and Cylinder Lock, press and hold STOP/EJECT, PLAY/REPEAT, and CH DOWN buttons on the unit together over 5 seconds in power on condition.



The unit goes into service mode.

In this mode, Mechanism movement can be confirmed. When removing Cassette Up Ass'y, it can be confirmed without a cassette.

To release from this mode, press POWER button off or disconnect AC Plug.

#### 5.1.6. DEFEATING THE AUTO TRACKING

To defeat the Auto Tracking Function, place the instrument in the STOP mode and place a jumper between TP6003 and TP6009 on the TV/VCR Main C.B.A. The tracking will be placed in the neutral position.

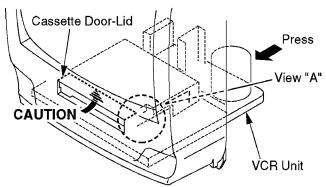
### 5.1.7. CAUTION FOR INSTALLATION OF VCR UNIT

#### **CAUTION:**

Opener Lever may be damaged when VCR Unit is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

#### Install the VCR Unit as follows:

- 1. Swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- 2. Make sure that all guide tabs are aligned properly. Then, press the VCR Unit straight in.



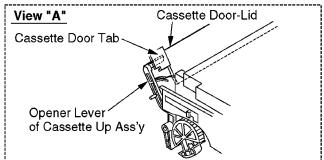


Fig. 4

## 5.1.8. METHOD FOR LOADING/UNLOADING OF MECHANISM

#### **5.1.8.1.** (Manual Method)

Turn the Loading Gear clockwise (for loading) or counterclockwise (for unloading) using needlenose pliers etc.

#### Note:

Do not use this method if Mechanism is jammed or locked.

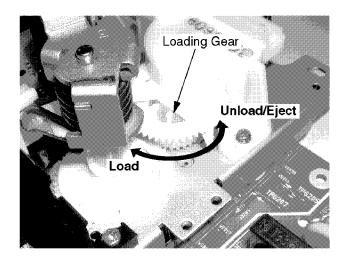


Fig. 6-1

#### 5.1.8.2. (Electrical Method)

Apply  $+10.0\ V\ DC$  Power Supply to the Loading Motor terminals.

#### Loading

DC + to Portion "a," DC - to Portion "b"

#### Unloading

DC - to Portion "a," DC + to Portion "b"

#### **CAUTION:**

Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.

Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.

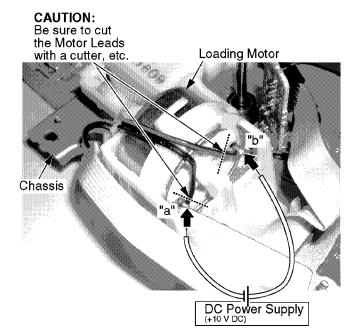


Fig. 6-2

### 5.1.8.2.1. WHEN LOADING WITHOUT A CASSETTE

When loading without a cassette, push Portion "a" on the Holder Unit of Cassette Up Ass'y so that the Lever clear the First Tab and Second Tab.

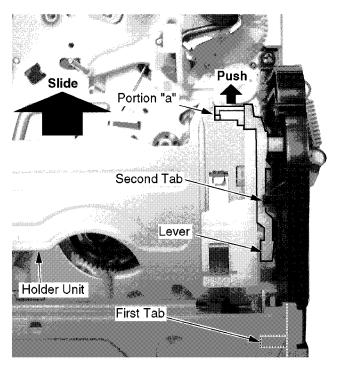


Fig. 6-3

### 5.1.9. HOW TO REMOVE A JAMMED TAPE

#### **CAUTION:**

Wiper Arm Unit may be damaged or its spring may be out of place when the jammed tape is removed by force.

Remove a jammed tape as follows:

#### 5.1.9.1. Manual Method

When a tape jam is encountered, check the tape loading condition and use the following procedure to remove a tape jam.

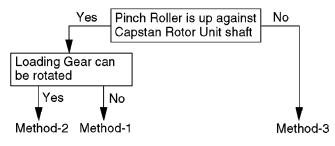
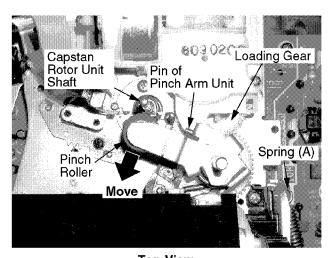


Fig. 7-1

#### 5.1.9.1.1. Method -1:

 Move the Pinch Roller Unit out by unhooking the Pin of Pinch Arm Unit so that the Pinch Roller is separated from the Capstan Rotor Unit shaft.



Top View

Fig. 7-2

- 2. Remove the tape from the tape path.
- Rewind the tape into the cassette by rotating the Center Clutch Unit counterclockwise.
- 4. Unhook Spring (A) of the Drive Rack Arm.
- 5. Remove Screw (A).
- 6. Lift the Cassette Up Ass'y. While pulling the Cassette Up Ass'y out far enough so that it clears the Drive Rack Arm, slide the Drive Rack Unit as indicated by the arrow to remove the cassette tape from the Cassette Up Ass'y.

7. Check the cause of mechanical trouble and repair.

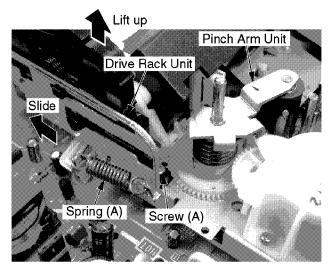


Fig. 7-3

#### 5.1.9.1.2. Method -2:

- Rotate Loading Motor counterclockwise with needlenose pliers, etc. so that the Pinch Roller is separated from the shaft of the Capstan Rotor Unit.
- 2. Perform Step 2 through Step 7 of Method -1.

#### 5.1.9.1.3. Method -3:

1. Perform Step 2 through Step 7 of Method -1.

#### Note:

After repairing mechanical trouble, make sure that all gear alignments are correct, especially the Wiper Arm Unit and Drive Rack Unit of Cassette Up Ass'y. (Refer to "EJECT Position Confirmation" in DISASSEMBLY/ASSEMBLY PROCEDURES.)

#### 5.1.9.2. Electrical Method

Electrical method can only be performed when the mechanism is moved by rotating the Loading Gear.

#### **CAUTION:**

- 1. Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.
  - Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.
- 2. If loading does not start in approx. 2 seconds after DC Power Supply is applied, DO NOT continue to apply DC Power Supply. Instead, perform "Manual Method."
- 1. Be sure to cut the Motor Leads with a cutter, etc.
- 2. Apply +10.0 V DC Power Supply to the Loading Motor terminals.
- 3. When the Loading Posts reach the fully unloaded position, remove the Power Supply.

### CAUTION: Be sure to cut

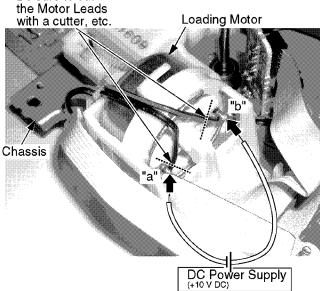


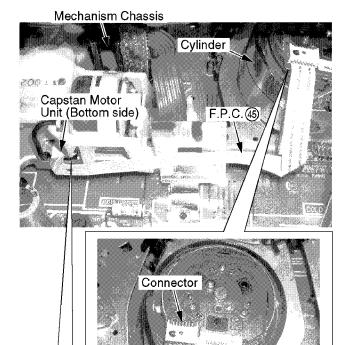
Fig. 8

- 4. Rewind the tape into the cassette by turning the Center Clutch Unit counterclockwise.
- 5. Eject the cassette by applying +10.0 V DC Power Supply again.

#### 5.1.10. F.P.C. CONNECTION NOTE

### 5.1.10.1. F.P.C. between the Capstan Motor and the Cylinder

Be careful with the direction of F.P.C. to connector as shown.



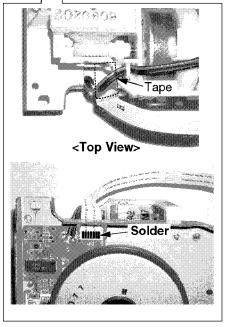


Fig. 9

#### 5.1.11. WIRE AND LEAD POSITION DIAGRAM

P354 (To CRT GND)

Clamper

After servicing, make sure that all wires, leads, and clampers are placed in their original position. It is important for the best operation of the unit.

#### Note:

No lead wires or flat cables should touch any heating parts or the Heat Sink Plate. Use extreme care especially for followings.

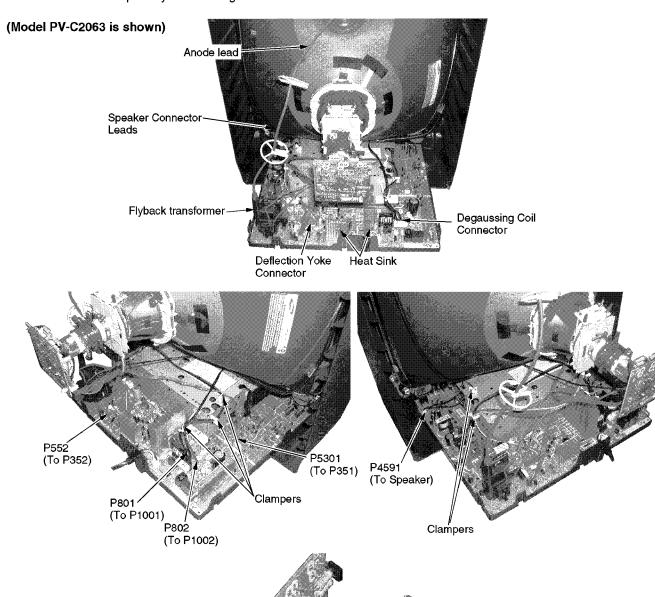


Fig. 10

### 5.1.12. HOW TO SET TRACKING TO THE NEUTRAL POSITION

Ejecting the cassette tape and then reinserting it will reset the tracking to the Neutral position.

### 5.1.13. BLACK SCREWS ON THE CHASSIS

Black Screws are used on the Mechanism Chassis to identify screws that require adjustment.

## 5.1.14. HOW TO RESET ALL COMBINATION VCR MEMORY FUNCTIONS

To reset (clear) the select language, channel auto set and set clock functions to their initial power on condition (power on, no cassette inserted), hold down the PLAY and FF buttons on the unit together for more than 5 seconds.

Power will shut off.

### 5.1.15. HOW TO CONFIRM AUTO CLOCK SET FEATURE

- 1. Connect an RF cable from the output of one unit to the input of the test unit.
- 2. Select corresponding RF channels.
- 3. Playback a recording of P.B.S. channel including clock set data and confirm this feature.

### 5.1.16. VARIABLE VOLTAGE ISOLATION TRANSFORMER

An Isolation Transformer should always be used during the servicing of Combination VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination VCR from being damaged by accidental shorting that may occur during servicing.

Also, when troubleshooting the above type of Power Supply Circuit, a variable isolation transformer is required in order to increase the input voltage slowly.

#### 5.1.17. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the

"ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

### 5.1.18. MODEL NO. IDENTIFICATION MARK

Use Marks shown in the chart below to distinguish the different models included in this Service Manual.

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | E    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | I    |
| PV-C2063    | J    |
| PV-C2523-K  | K    |
| NOT USED    | PT   |

#### Note:

Refer to Item 3 of Schematic Diagram Notes of Schematic Diagram and Circuit Board Layout Notes, for mark "PT."

### 6 DISASSEMBLY/ASSEMBLY PROCEDURES

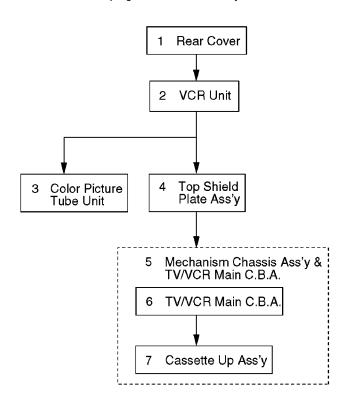
#### 6.1. CABINET SECTION

#### 6.1.1. Disassembly Flowchart

Perform all disassembly procedures in the order described in the "Disassembly Flowchart" shown below. When reassembling, use the reverse procedure.

#### **CAUTION:**

Disconnect AC plug before disassembly.



#### 6.1.2. Disassembly Method

| STEP<br>No. | Ref.<br>No. | PART   | Fig.<br>No. | I BEIVILIVE   | Note |
|-------------|-------------|--|-------------|---|------|
| 1           | 73          | Rear Cover   | D2          | 6446, 8446 (For model with 25 inch CRT)   |      |
| 2           | -           | VCR Unit   | D4<br>D5    | Anode Cap, P354,<br>CRT C.B.A.,<br>Deflection Yoke<br>Connector,<br>Degaussing Coil<br>Connector, Clampers,<br>P4591,<br>Tabs | 1    |
| 3           | 48          | Color Picture<br>Tube Unit                         | D2          | 4(45)   | 2    |
| 4           | 91)         | Top Shield Plate<br>Ass'y                          | DЗ          | 443), 463   |      |
| 5           | -           | Machanism Chassis<br>Ass'y & TV/VCR<br>Main C.B.A. | D3          | 2ఱ), 2ఱ), Locking Tabs,   | 3    |
| 6           | <b>£10</b>  | TV/VCR<br>Main C.B.A.                              | D3          | P3001, P6201, P4001,<br>P4092   | 4    |
| 7           | <b>6</b> 1  | Cassette Up Ass'y                                  | DЗ          | 3(49), Locking Tab, Spring  | 5    |

Fig. D1

#### IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

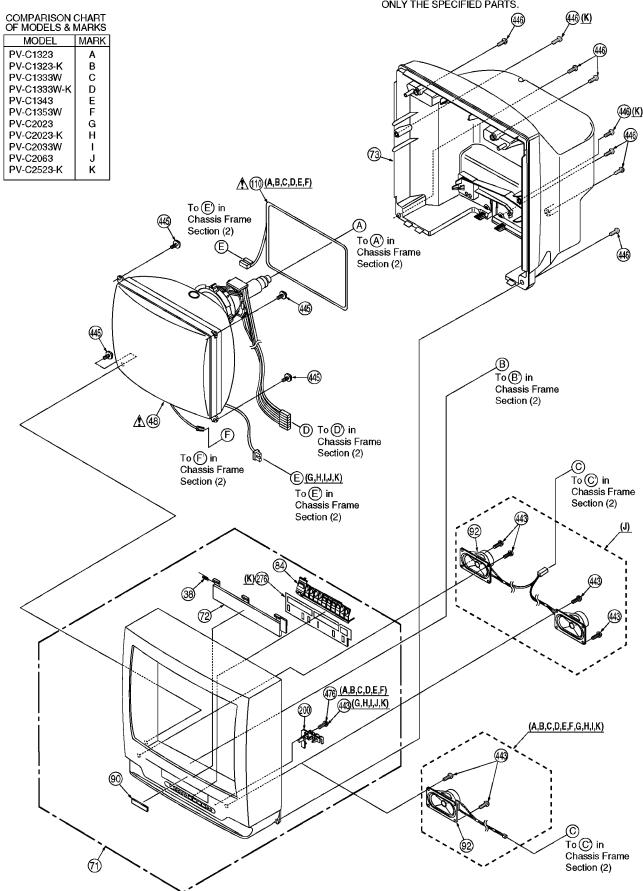


Fig. D2

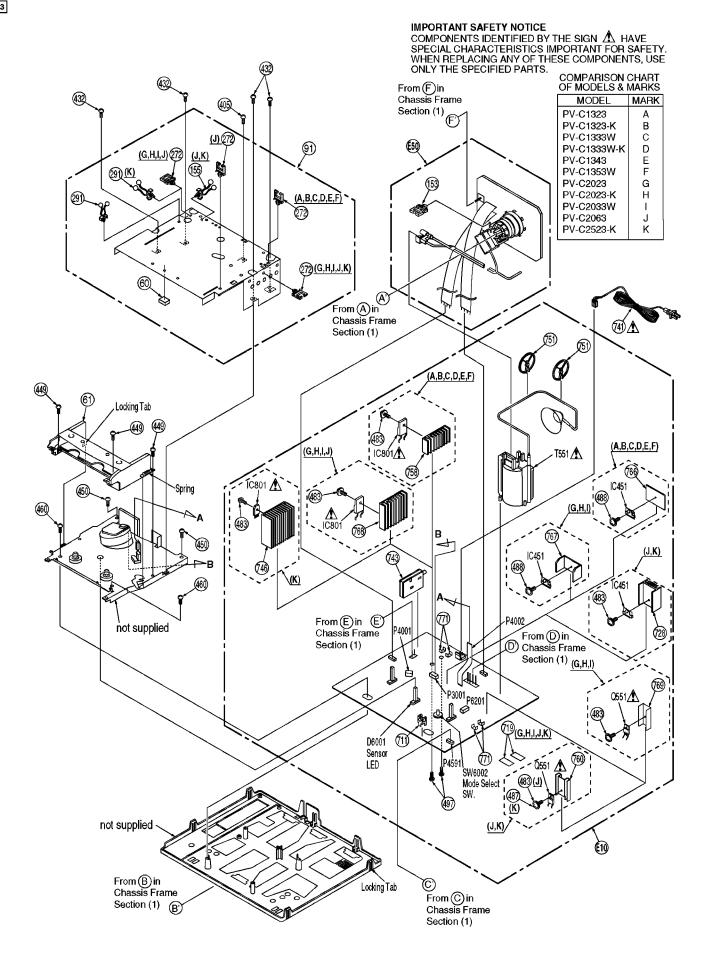


Fig. D3

#### 6.1.2.1. Notes in chart

#### 1. Removal of VCR Unit

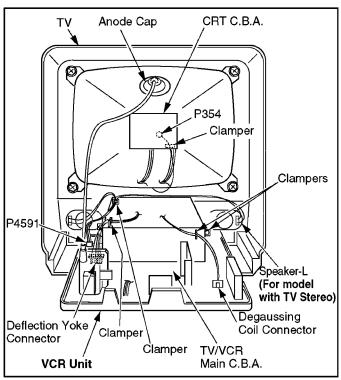


Fig. D4

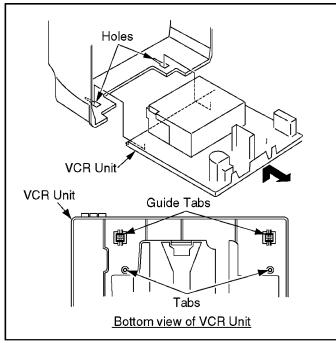


Fig. D5

#### Installation of VCR Unit

#### **CAUTION:**

Opener Lever may be damaged when VCR Unit is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

- a. When installing the VCR Unit, swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- b. Make sure that all guide tabs are aligned properly.

  Then, press the VCR Unit straight in.

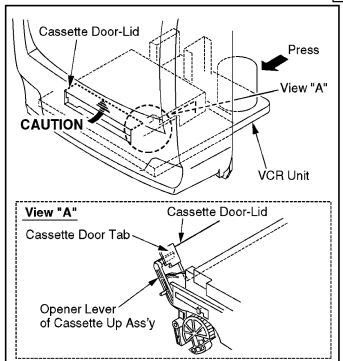


Fig. D6

#### 2. Removal of Color Picture Tube Unit

Place the Unit face down on a soft cloth before removing the Color Picture Tube Unit.

#### Installation of Mechanism Chassis Ass'y and TV/VCR Main C.B.A.

When installing 2 Screws (449), slide the Holder Unit of the Cassette Up Ass'y (Refer to "WHEN LOADING WITHOUT A CASSETTE" in SERVICE NOTES) to tighten screws. Then, slide it back to the EJECT Position.

#### 4. Removal of TV/VCR Main C.B.A.

When disconnecting the P4002 Flat Cable from the Connector P4092 on the AC Head, care must be taken to hold the Connector P4092 stable to avoid damaging it.

Otherwise, a satisfactory picture and secure precise tracking will not be achieved. (Refer to "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT.)

#### Installation of TV/VCR Main C.B.A.

a. Make sure the Mode Select SW. on the TV/VCR Main C.B.A. is in **EJECT** position. If not, rotate the Mode Select SW. until the alignment projection is in the **EJECT** Position.

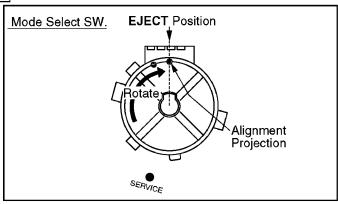


Fig. D7

b. Install the Mechanism Chassis and Cassette Up Ass'y straight onto the TV/VCR Main C.B.A. so that the Sensor LED clears the hole in the Mechanism Chassis and that 3 Connectors (P6201, P3001 and P4001) are aligned and seated securely.

#### 5. Installation of Cassette Up Ass'y

- a. Confirm that the Locking Tab under the Cassette Up Ass'y is in Hole on the Mechanism Chassis when installing the Cassette Up Ass'y. Then, slide the Cassette Up Ass'y towards the back.
- b. When installing 2 Screws (449), slide the Holder Unit (Refer to "WHEN LOADING WITHOUT A CASSETTE" in Service Notes) to tighten screws. Then, slide it back to the **EJECT** Position.
- c. Hook Spring to the Drive Rack Arm on the Mechanism Chassis.

#### 6.2. **MECHANISM SECTION**

#### 6.2.1. **Disassembly/Reassembly Method**

This procedure starts with the condition that the cabinet parts and TV/VCR Main C.B.A. have been removed.

When reassembling, perform the step(s) in the reverse order.

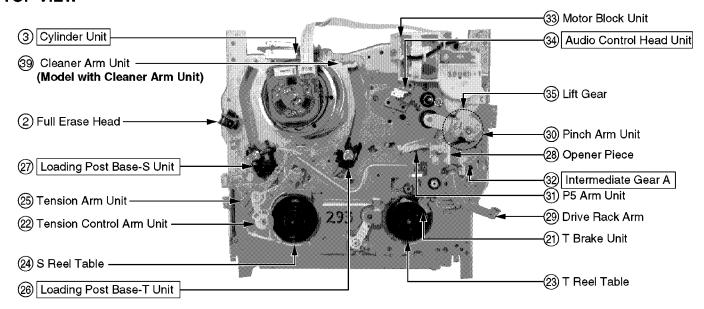
Perform all disassembly/reassembly and alignments procedures in EJECT Position.

| Step/Loc.<br>No. | Prior Step(s)        | Part   | Fig. No. | Remove  | Alignment/Adjustment               |
|------------------|----------------------|--|----------|---|------------------------------------|
| ①                |                      | Not used                                       | -        | •   |                                    |
| 2                |                      | Full Erase Head                                | J2       | (L-1), (S-1), A/C Shield Plate                            |                                    |
| 3                | 1                    | Cylinder Unit                                  | J2       | 2(S-2), 3(S-3), Flexible Cable, Head Amp C.B.A., Unsolder | TAPE INTERCHANGEABILITY Adjustment |
| 4                |                      | Capstan Belt                                   | J3-1     | -   |                                    |
| (5)              |                      | Support Angle                                  | J3-1     | (S-4), (S-5)  |                                    |
| 6                | 5                    | Intermediate Gear B                            | J3-1     | (L-2)   | Gear Alignment                     |
| 7                | 4,5,6                | Main Cam Gear                                  | J3-1     | Main Cam Push Nut   | Gear Alignment                     |
| 8                | 4                    | Center Clutch Unit                             | J4-1     | (W-1)   |                                    |
| 9                | 4,8                  | Changing Gear Spring                           | J4-1     | •   |                                    |
| 10               | 4,8,9                | Changing Gear                                  | J4-1     | -   |                                    |
| 11)              | 4,8,9,10             | Idler Arm Unit                                 | J4-1     | •   |                                    |
| 12               |                      | Reel Gear                                      | J5-1     | 2(L-3)  |                                    |
| 13               | 4,5,6,7,8,9,10       | Main Rod                                       | J5-1     | (W-2), (L-4)  | Gear Alignment                     |
| 14)              |                      | Not used                                       |          | •   |                                    |
| 13               | 4                    | Capstan Motor Unit                             | J6       | 3(S-6)  |                                    |
| 16               |                      | Not used                                       | -        | •   |                                    |
| 17               |                      | Not used                                       |          | •   |                                    |
| 18               |                      | Not used                                       | -        | -   |                                    |
| 19               | 4,8,9,10,13          | T Loading Arm Unit                             | J7-1     | •   | Gear Alignment                     |
| 20               | 4,5,6,7,8,9,10,13,19 | S Loading Arm Unit                             | J7-1     | •   | Gear Alignment                     |
| 20               |                      | T Brake Unit                                   | J8-1     | -   |                                    |
| 2                |                      | Tension Control Arm Unit                       | J8-1     | 3(L-5)  |                                    |
| 23               | 21                   | T Reel Table                                   | J8-1     | •   |                                    |
| 24)              | 22                   | S Reel Table                                   | J8-1     | -   |                                    |
| 29               | 22                   | Tension Arm Unit                               | J8-1     | 2(L-6), (P-1), (P-2)                                      |                                    |
| 26               | 22,25                | Loading Post Base-T Unit                       | J9       | -   | P2 AND P3 POST HEIGHT,             |
| 27               | 22,25                | Loading Post Base-S Unit                       | J9       | -   | TAPE INTERCHANGEABILITY Adjustment |
| 8                |                      | Opener Piece                                   | J10-1    | 2(L-7)  |                                    |
| 29               | 4,5,6,7              | Drive Rack Arm                                 | J10-1    | -   |                                    |
| 30               | 28                   | Pinch Arm Unit                                 | J10-1    | Pinch Assist Spring                                       |                                    |
| (3)              | 28,30                | P5 Arm Unit                                    | J10-1    | -   |                                    |
| @                | 5,6,28               | Intermediate Gear A                            | J10-1    | -   | Gear Alignment                     |
| 33               |                      | Motor Block Unit                               | J11      | 2(S-9)  |                                    |
| <b>3</b> 4       |                      | Audio Control Head Unit                        | J11      | (S-10)  | TAPE INTERCHANGEABILITY Adjustment |
| 35               | 5,6,28,30,32,33      | Lift Gear                                      | J11      | -   |                                    |
| 36               |                      | Not used                                       | -        | -   |                                    |
| <b>®</b>         | 22,25                | Tension Arm Boss                               | J11      | (L-8)   |                                    |
| 38               |                      | SS Brake Arm Unit                              | J5-1     | (L-9), (P-3)  |                                    |
| 39               |                      | Cleaner Arm Unit (Model with Cleaner Arm Unit) | J11      | (L-10)  |                                    |

#### 6.2.2. Inner Parts Location

**Note:** BOX indicates alignment (Gear Alignment or Mechanical Adjustment) required when a part is replaced.

#### **TOP VIEW**



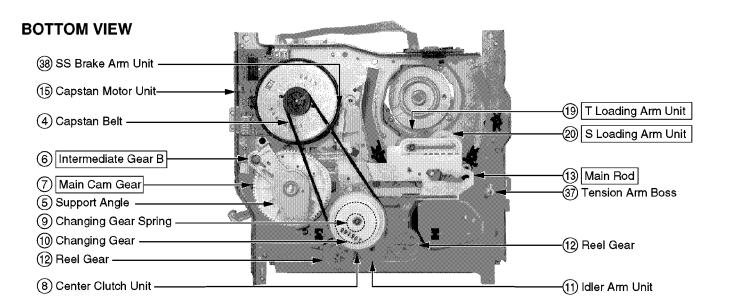


Fig. J1-1

#### 6.2.3. EJECT Position Confirmation

Check the following alignment points to confirm that the Mechanism and Cassette Up Ass'y are in the **EJECT** Position from the top side.

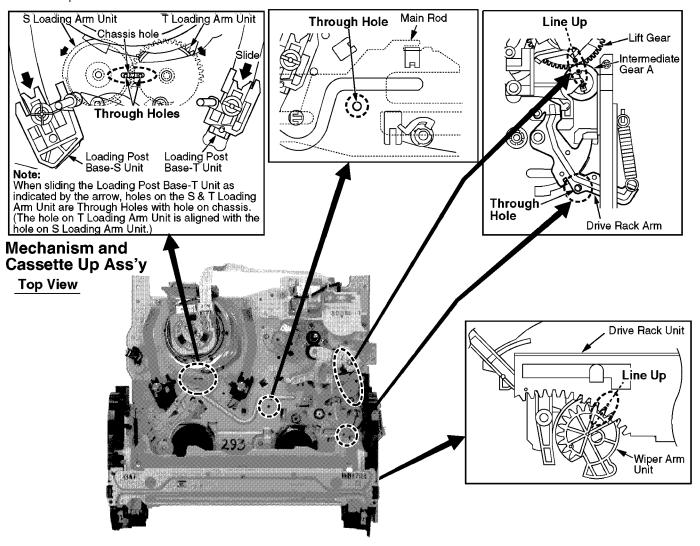


Fig. J1-2

#### 6.2.4. Full Erase Head and Cylinder Unit

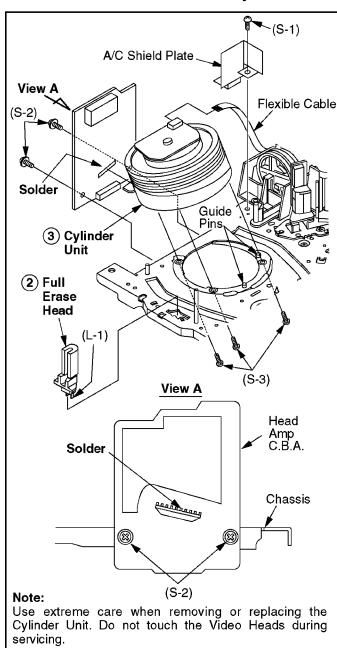


Fig. J2

#### 6.2.4.1. Reassembly Notes

1. After replacing the Cylinder Unit, clear the Total elapsed "Cylinder rotation" time (in hours) to 0. Refer to "USAGE SCREEN MODE" in SERVICE NOTES.

## 6.2.5. Capstan Belt, Support Angle, Intermediate Gear B, and Main Cam Gear

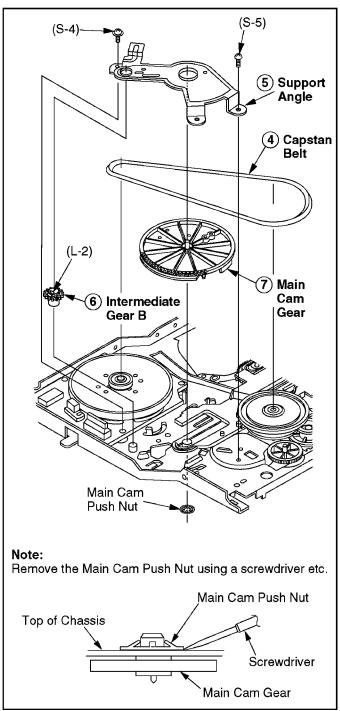


Fig. J3-1

#### 6.2.5.1. Reassembly Notes

- 1. Alignment of Main Cam Gear, Drive Rack Arm, and Main Rod
  - a. Confirm that the hole on Main Rod is a Through Hole with a hole on chassis.
  - b. Confirm that the hole on Drive Rack Arm is a Through Hole with a hole on chassis.
  - c. Install the Main Cam Gear so that the projection of Main Cam Gear is in the upward position as shown.

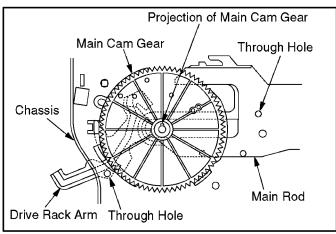


Fig. J3-2

### 2. Confirmation/Alignment of Intermediate Gear B, Main Cam Gear, and Intermediate Gear A

- a. Confirm that the Hole A on Lift Gear is a Through Hole with a hole on chassis.
- b. Confirm that the hole on Intermediate Gear A is aligned with the hole on Lift Gear.

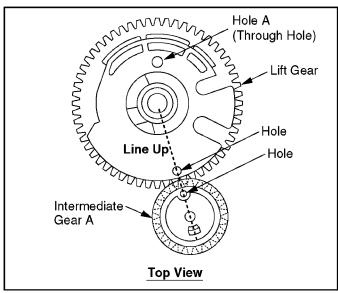


Fig. J3-3

c. Install the Intermediate Gear B so that the hole on the Intermediate Gear B is aligned with the hole on the Main Cam Gear.

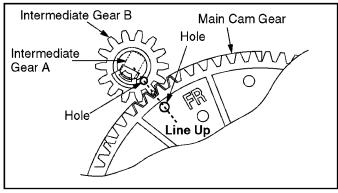


Fig. J3-4

#### 3. Holes on Main Cam Gear

a. The EJECT mode Hole on Main Cam Gear should be a Through Hole with Hole A on Support Angle in EJECT mode. The each mode Hole on Main Cam Gear should be a Through Hole with Hole B on Support Angle in each mode.

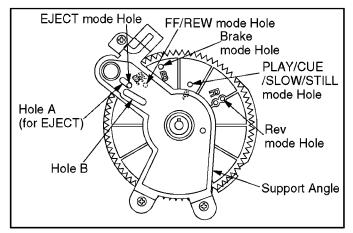


Fig. J3-5

#### 4. Main Cam Gear Kit

a. Main Cam Gear is supplied as a Main Cam Gear Kit only.

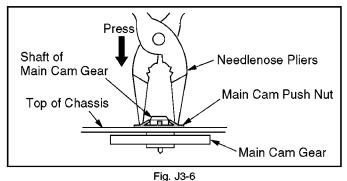
Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut.

However, Main Cam Push Nut is available separately as a replacement part.

#### 5. Installation of Main Cam Gear and Main Cam Push Nut

a. After installing the Support Angle, install the Main Cam Push Nut with Needlenose Pliers etc. so that it is flush with the chassis.

There may be some slight scratches on the Shaft of Main Cam Gear, when removing the Main Cam Gear. In case that the Main Cam Gear can be installed securely without tottering, it is fine to use the one. If any tottering, install all new parts.



6. The Main Cam Push Nut is not reusable. Install a new one.

25

## 6.2.6. Center Clutch Unit, Changing Gear Spring, Changing Gear, and Idler Arm Unit

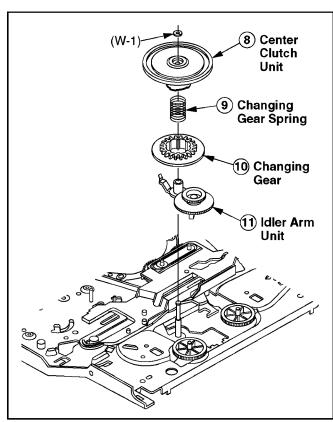


Fig. J4-1

#### 6.2.6.1. Reassembly Notes

#### 1. Installation of Center Clutch Unit

a. Fit the Center Clutch Unit into the Changing Gear.

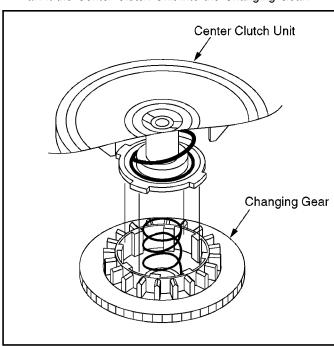


Fig. J4-2

### 6.2.7. Reel Gear, Main Rod, and SS Brake Arm Unit

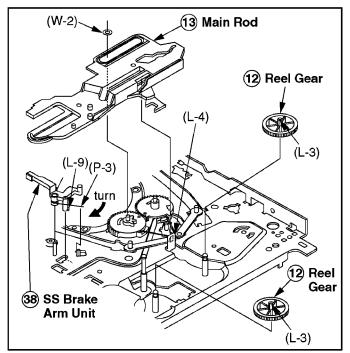


Fig. J5-1

#### 6.2.7.1. Reassembly Notes

#### 1. Alignment of Main Rod and T Loading Arm Unit

 a. Align the Gear of T Loading Arm Unit with Gear of Main Rod. Confirm that the Hole on Main Rod is a Through Hole with a hole on chassis.

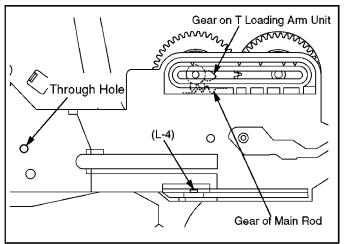


Fig. J5-2

#### 6.2.8. Capstan Motor Unit

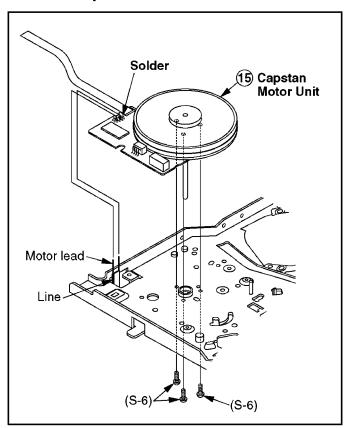


Fig. J6

### 6.2.9. T Loading Arm Unit and S Loading Arm Unit

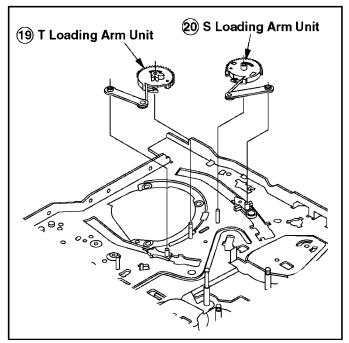


Fig. J7-1

#### 6.2.9.1. Reassembly Notes

### 1. Alignment of T Loading Arm Unit and S Loading Arm Unit

- a. Install the S Loading Arm Unit onto the chassis.
- b. Install the T Loading Arm Unit so that the hole on T Loading Arm Unit is aligned with the hole on S Loading Arm Unit.
- c. Confirm that the holes on the S & T Loading Arm Unit are Through Holes with hole on chassis.

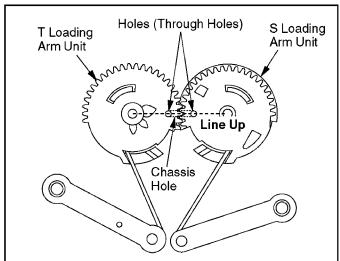


Fig. J7-2

## 6.2.10. T Brake Unit, Tension Control Arm Unit, T Reel Table, S Reel Table, and Tension Arm Unit

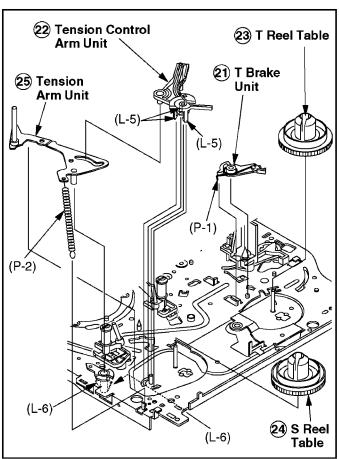


Fig. J8-1

#### 6.2.10.1. Reassembly Notes

1. How to distinguish between S Reel Table and T Reel Table

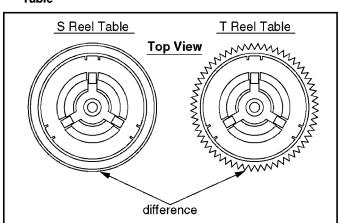


Fig. J8-2

### 6.2.11. Loading Post Base -T Unit and Loading Post Base -S Unit

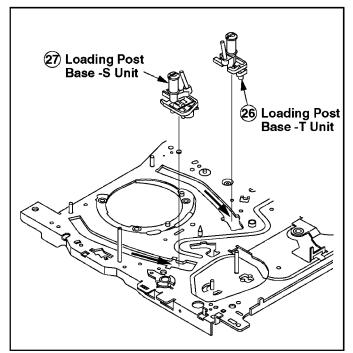


Fig. J9

## 6.2.12. Opener Piece, Drive Rack Arm, Pinch Arm Unit, P5 Arm Unit, and Intermediate Gear A

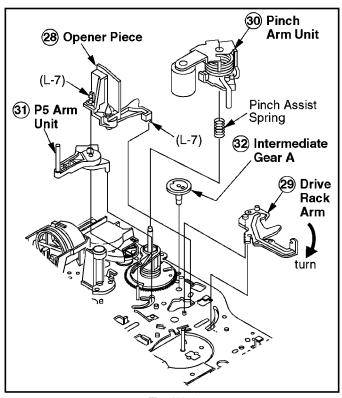


Fig. J10-1

#### 6.2.12.1. Reassembly Notes

### 1. Installation/Alignment of Intermediate Gear A, Lift Gear and P5 Arm Unit

- a. Rotate the Lift Gear so that Hole A on Lift Gear is a Through Hole with a hole on chassis.
- b. Install the Intermediate Gear A so that the hole on Intermediate Gear A is aligned with the hole on Lift Gear
- c. Install the P5 Arm Unit so that it contacts with the tab of chassis.

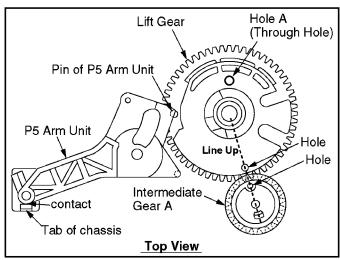


Fig. J10-2

#### 2. Installation of Opener Piece

a. Install the Opener Piece so that the slot of the Opener

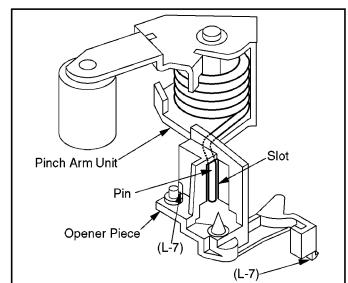


Fig. J10-3

#### 6.2.13. Motor Block Unit, Audio Control Head Unit, Lift Gear, Tension Arm Boss, and Cleaner Arm Unit

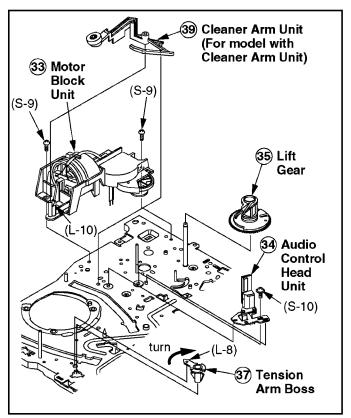


Fig. J11

#### 6.3. CASSETTE UP ASSEMBLY SECTION

This chart indicates Step/Location No. of Parts to be serviced and prior steps to gain access items to be serviced when disassembling. When reassembling, perform the step(s) in the reverse order.

| Step/Loc.<br>No. | Prior Step(s) | Part            | Fig. No. | Remove         | Alignment/Adjustment |
|------------------|---------------|-----------------|----------|----------------|----------------------|
| 1                |               | Top Plate       | K1-1     | (L-1), (L-2)   |                      |
| 2                | 1             | Wiper Arm Unit  | K1-1     | 2(L-3)         | Gear Alignment       |
| 3                | 1,2           | Holder Unit     | K1-1     | -              |                      |
| 4                |               | Opener Lever    | K2       | 2(L- <b>4)</b> |                      |
| (5)              | 1,2,3,4       | Drive Rack Unit | K2       | -              |                      |

#### 6.3.1. Top Plate, Wiper Arm Unit, and Holder Unit

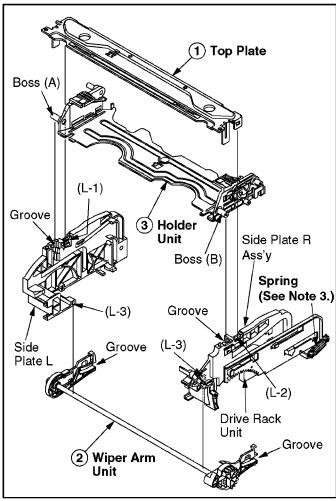


Fig. K1-1

#### 6.3.1.1. Reassembly Notes

#### 1. Alignment of Wiper Arm Unit and Drive Rack Unit

- a. Slide the Drive Rack Unit to the far right as indicated by the arrow.
- b. Install the Wiper Arm Unit so that the hole on the Wiper Arm Unit is aligned with the hole on the Drive Rack Unit.

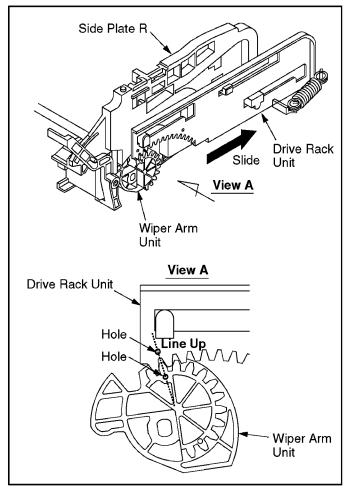


Fig. K1-2

#### 2. Installation of Holder Unit

- a. Turn the Wiper Arm Unit so that the grooves on each end are aligned with the each groove on Side Plate L and R.
- b. Insert Holder Unit boss (A) and (B) into the grooves as shown in Fig. K1-1.
- c. Finally, in the **EJECT** Position, confirm that the protrudence on the Wiper Arm Unit is aligned with the indentation on the Drive Rack Unit.

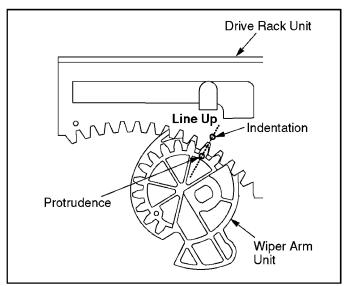


Fig. K1-3

Make sure to hook the spring to the Drive Rack Arm of Mechanism chassis.

#### 6.3.2. Opener Lever and Drive Rack Unit

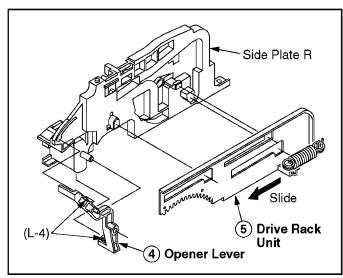
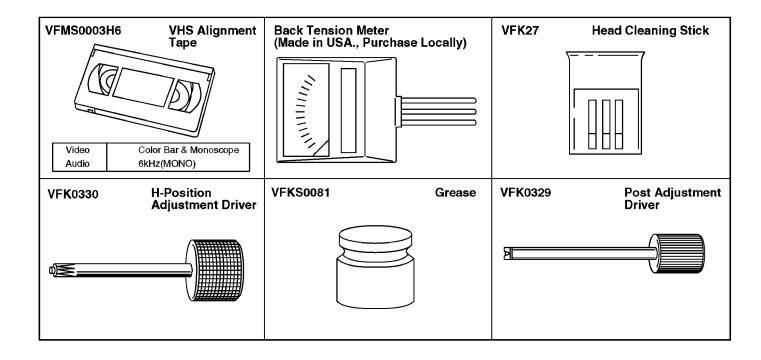


Fig. K2

### 7 ADJUSTMENT PROCEDURES

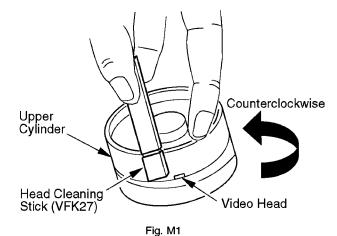
#### 7.1. SERVICE FIXTURES AND TOOLS



#### 7.2. MECHANICAL ADJUSTMENT

### 7.2.1. CLEANING PROCEDURE FOR THE UPPER CYLINDER UNIT

1. While slowly turning the Upper Cylinder Unit counterclockwise by hand, gently rub the Video Heads with a Head Cleaning Stick (VFK27) moistened with Ethanol. When using a Cleaning Cassette, make sure to use "DRY" type only and be aware that excessive use can shorten head life.



#### Note:

 Do not rub vertically or apply excess pressure to the Video Heads.

Do not turn the Upper Cylinder Unit clockwise while cleaning.

2. After cleaning, use a Dry Head Cleaning Stick (VFK27) to remove any Ethanol remaining on the cylinder tape path. Otherwise, tape damage will occur.

#### 7.2.2. ADJUSTMENT PROCEDURES

#### 7.2.2.1. BACK TENSION CONFIRMATION

Purpose: To fine adjust the Back Tension so that

the tape runs smoothly with a constant

tension.

Symptom of 1) If the Misadjustment: specific

1) If the tape tension is less than the specified value, the tape cannot come

into proper contact with the Video Heads, resulting in poor picture playback.

2) If the tape tension is too high, the tape

2) If the tape tension is too high, the tape will soon be damaged.

Equipment Back Tension Meter (Made in U.S.A.,

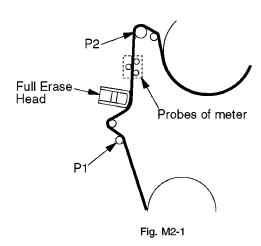
Required: Purchase Locally)

VHS Cassette Tape (120-Minute Tape)

Specification: 22.4 gf±2.5 gf

(0.220 N±0.025 N)

- 1. Play back a T120 cassette tape from the beginning for approx. 10 to 20 seconds to stabilize tape movement.
- Insert a Tension Meter into tape path and measure the back tension.



3. If the reading is out of specification, make sure that there is no dust or foreign material between the Brake Pad of Tension Control Arm Unit and the S Reel Table.

After cleaning, the reading of tension measurement is still out of specification, replace the Tension Arm Unit and the Tension Control Arm Unit.

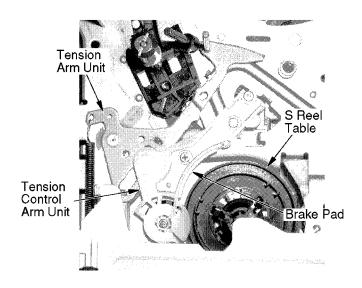


Fig. M2-2

#### Note:

- Be sure that the three probes of the meter are all in solid contact with the tape, but not touching any other parts of the mechanism.
- 2. It is recommended that measurements should be repeated at least three (3) times because the tension meter is very sensitive to external vibrations.

### 7.2.2.2. TAPE INTERCHANGEABILITY ADJUSTMENT

#### Note:

To perform these adjustment/confirmation procedures, set the tracking to the neutral position.

Equipment Dual Trace Oscilloscope

Required: VHS Alignment Tape (VFMS0003H6)

Post Adjustment Driver (VFK0329)

H-Position Adjustment Driver (VFK0330)

### 7.2.2.2.1. ENVELOPE OUTPUT ADJUSTMENT

The height of the P2 and P3 Posts replacement part is preadjust at the factory.

Purpose: To achieve a satisfactory picture and

secure precise tracking.

Symptom of If the envelope is output poorly, much Misadjustment: noise will appear in the picture. Then the

tracking will lose precision and the playback picture will be distorted by any slight variation of the tracking control

circuit.

Equipment Post Adjustment Driver (VFK0329)

Required:

- 1. Place a jumper between TP6003 and +5 V(TP6009) on the TV/VCR Main C.B.A. to defeat Auto Tracking.
- 2. Eject the tape and insert it again to access the Neutral Tracking position.
- 3. Play back the alignment tape.
- 4. Connect the oscilloscope to TP3002 on the Video Signal Process Section of the TV/VCR Main C.B.A. Use TP6205 as a trigger.
- 5. Confirm that the RF envelope is flat enough (V1/V-max. is 0.7 or more). If not, with Post Adjustment Driver, adjust P2 and P3 post height so that the envelope waveform becomes as flat (V1/V-max. is 0.7 or more) as possible (No envelope drop). If the envelope drop appears on the left-half of the waveform, adjust P2 post height. If the envelope drop appears on the right-half of the waveform, adjust P3 post height.

#### **CAUTION:**

Overtightening P2 and P3 posts may cause the threads to strip.

#### Note:

It will be possible to confirm Step 5 according to following steps.

a. Press the Tracking Control Up or Down button on remote control. Make sure that the envelope waveform remains flat. If not, readjust P2 and/or P3 post heights.

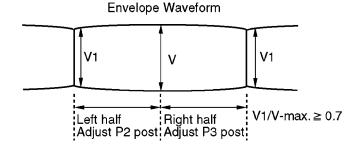


Fig. M3-1

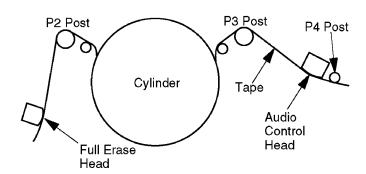
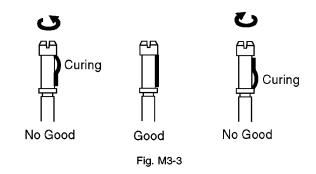


Fig. M3-2

6. After adjustment, confirm that the tape travels without curling at P2 and P3 posts.



7. Remove the jumper after completing the adjustment procedure.

#### **AUDIO CONTROL HEAD TILT** 7.2.2.2.2. ADJUSTMENT

Purpose: To confirm that the tape runs smoothly. In

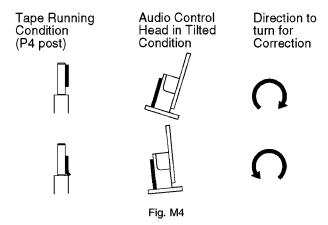
particular, confirm that the tape properly picks up the Audio Signal at the upper part of the head and the Control Signal at

the lower part of the head.

Symptom of Misadjustment: If the tilt of the Audio Control Head is poorly adjusted, the tape will eventually be damaged. An intermittent Blue screen

may be seen in Playback.

- 1. Play back a T120 cassette tape and check that the tape travels smoothly between the upper and lower guides of the P4 post.
- 2. If necessary, adjust Black Screw (B) clockwise until the tape begins to curl at the lower edge of the P4 post. Then adjust the screw counterclockwise until the curling is eliminated.



#### 7.2.2.2.3. **AUDIO CONTROL HEAD HEIGHT ADJUSTMENT**

The height of the Audio Control Head replacement part is preset at the factory.

Purpose: To be sure the tape runs properly along

the Control Head.

Symptom of If the control signal is not properly picked up, Servo Operation cannot be achieved. Misadjustment:

A Blue screen will be seen in Playback.

This confirmation is required when the Audio Control Head is replaced.

- 1. Play back a T120 cassette tape and check that the lower edge of the tape runs approximately 0.25 mm above the lower edge of the Audio Control Head.
- 2. If necessary, adjust Black Screws (A) and (B) clockwise to lower the tape or counterclockwise to raise.

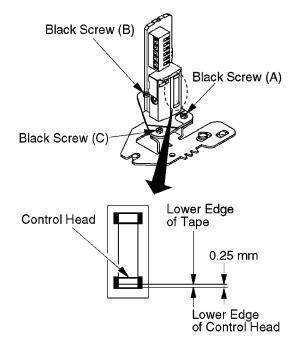


Fig. M5

#### **AUDIO CONTROL HEAD** 7.2.2.2.4. **AZIMUTH ADJUSTMENT**

Purpose: To adjust the position and height of the

Audio Control Head so that it meets the

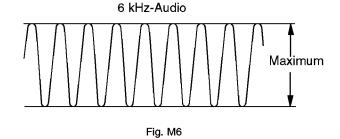
tape tracks properly.

Symptom of If the position of the Audio Control Head Misadjustment:

is not properly adjusted, the Audio S/N

Ratio is poor.

- 1. Connect the oscilloscope to the TP4002 on the TV/VCR Main C.B.A.
- 2. Play back the 6 kHz Monaural Audio portion of the alignment tape.
- 3. Adjust Black Screw (C) on the Audio Control Head base so that the output level is at maximum.



4. Confirm the height of the Audio Control Head is proper. If not, readjust Black Screws (A) and (B).

# 7.2.2.2.5. AUDIO CONTROL HEAD HORIZONTAL POSITION ADJUSTMENT

Purpose: To adjust the Horizontal Position of the

Audio Control Head.

Symptom of Misadjustment:

If the Horizontal Position of the Audio Control Head is not properly adjusted, a maximum envelope cannot be obtained at

the Neutral Position of the Tracking

Control Circuit.

- 1. Place a jumper between TP6003 and +5 V(TP6009) on the TV/VCR Main C.B.A. to defeat Auto Tracking.
- 2. Eject the tape and insert it again to access the Neutral Tracking position.
- 3. Play back the alignment tape.
- 4. Connect the oscilloscope to TP3002 on the Video Signal Process Section of the TV/VCR Main C.B.A. Use TP6205 as a trigger.
- Loosen the Black Screw (D) and tighten it slightly. Set the H-Position Adjustment Driver into the Hole (A). Then slowly turn the fixture either clockwise or counterclockwise so that the envelope is at maximum.

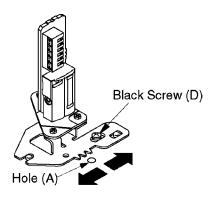


Fig. M7

- 6. Tighten Black Screw (D).
- 7. Remove the jumper between TP6003 and +5 V(TP6009).

#### Note:

Old type of H-Position Adjustment Driver (VFK0136) can be used for this adjustment.

#### 7.3. ELECTRICAL ADJUSTMENT

#### 7.3.1. TEST EQUIPMENT

To do all of these electrical adjustments, the following equipment is required.

1. Dual-Trace Oscilloscope

Voltage Range: 0.001 V to 50 V/Div. Frequency Range: DC to 50 MHz

Probes: 10:1, 1:1

2. NTSC Video Pattern Generator

3. DVM (Digital Volt Meter)

4. MTS/SAP Signal Generator

(TV Multi-Channel Sound Modulator (U.S.A.))

5. Frequency Counter

Frequency Range: 0 to 150 MHz

6. Plastic Tip Driver and Non-Metal Driver

7. Isolation Transformer (Variable)

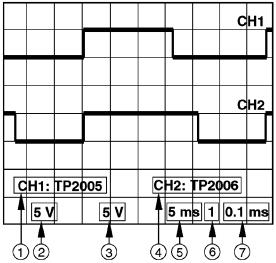
8. VHS Alignment Tape (VFMS0003H6)

9. Degaussing Coil

10. White Pattern Generator

11. Audio Generator

# 7.3.2. HOW TO READ THE ADJUSTMENT PROCEDURES



- 1. Connecting Point
- 3. Volts/DIV
- 5. Time/DIV
- 7. Time/DIV for Delay
- 2. Volts/DIV
- 4. Connecting Point
- 6. Trigger Channel of
  - the Scope
  - 1 : CH1
  - 2: CH2

Fig.E1

# 7.3.3. FM VCO ADJUSTMENT (FOR MODEL WITH FM RADIO AND TV STEREO)

Purpose: To set VCO free run frequency.

Symptom of Even when stereophony is received, only

Misadjustment: monaural sound will be output.

Test Point: C9203(-), TP9201 (TV/VCR Main C.B.A.)

Adjustment: R9206 (TV/VCR Main C.B.A.)

Specification: 38.0 kHz±50 Hz

INPUT: ------

Mode: STEREO audio (FM Radio)

Equipment: Frequency Counter

1. Connect C9203(-) on the TV/VCR Main C.B.A. to GND.

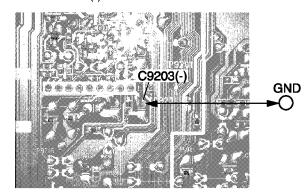
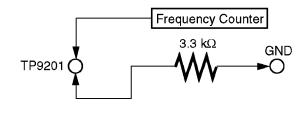


Fig. E3-1

2. Connect TP9201 on the TV/VCR Main C.B.A. to GND through a resistor (3.3 kW). Then, connect Frequency Counter to TP9201.



3. Adjust R9206 (FM VCO) so that the frequency is 38.0 kHz± 50 Hz.

Fig. E3-2

# 7.3.4. EVR (Electronic Variable Register) ADJUSTMENT WITH THE REMOTE CONTROL

This unit has electronic technology using I2C Bus concept. The following control functions are adjusted by using "On Screen Displays" and the remote control instead of adjusting mechanical controls (VR).

#### **Memory IC Reference Table**

| Control functions | <b>%</b> 1<br>Address | Range            | Default |
|-------------------|-----------------------|------------------|---------|
|                   |                       |                  |         |
| SUB COLOR         | 00                    | C0 - FF, 00 - 3F | 00      |
| SUB TINT          | 01                    | E0 - FF, 00 - 1F | 00      |
| SUB BRIGHT        | 02                    | C0 - FF, 00 - 3F | DE      |
| CONTRAST          | 03                    | C1 - FF, 00      | 00      |
| SUB SHARPNESS     | 04                    | E0 - FF, 00 - 1F | F0      |
| R CUT -OFF        | 05                    | 00 - 7F          | 1E      |
| G CUT -OFF        | 06                    | 00 - FD          | 3C      |
| B CUT -OFF        | 07                    | 00 - FD          | 3C      |
| G DRIVE           | 80                    | 00 - 7F          | 40      |
| B DRIVE           | 09                    | 00 - 7F          | 40      |
| SUB CONTRAST      | 0 <b>A</b>            | 00 - 0F          | 06      |
| H-CENTER          | 0B                    | 00 - 0F          | 08      |
| V SIZE            | 0D                    | 00 - 7F          | 40      |
| V POSITION *2     | 0E                    | 00 - 1F          | 03      |
| ANR               | 10                    | 00 - FD          | 89      |
| PIC               | 11                    | 00 - FD          | 86      |
| VV COLOR          | 12                    | 00 - FF          | 00      |
| VV TINT           | 13                    | 00 - FF          | 00      |
| VV SHARPNESS      | 14                    | 00 - FF          | F8      |
| PG SHIFTER        | 15                    | 01 - FD          | 80      |
| FM ANT 🔻 3        | 18                    | 00 - 01          | 00/01   |

#### Note:

- \*1. Address is not displayed on the TV screen. Other Addresses except above are not used.
- For Model with 20 inch CRT, V POSITION are not required in EVR adjustment.

#### 7.3.4.1. EVR ADJUSTMENT ITEM

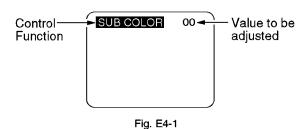
The following Items need to be adjusted for EVR adjustment.

- PG SHIFTER ADJUSTMENT
- SUB CONTRAST ADJUSTMENT
- FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT
- SUB COLOR/SUB TINT ADJUSTMENT
- V. HEIGHT/H. POSITION ADJUSTMENT
- WHITE BALANCE ADJUSTMENT
- SUB BRIGHTNESS ADJUSTMENT

# 7.3.4.2. How to enter EVR adjustment mode

Press and hold STOP, PLAY, and VOL- buttons on the unit together over 5 seconds with no cassette inserted.

The adjustment overlay will appear.



7.3.4.2.1. How to adjust:

1. Press CH UP/DOWN key on the remote control to select control function to be adjusted.

#### **Important Note:**

Make a note of the original value of the controls before modifying in case the wrong control is adjusted.

2. Press VOL -/+ key on the remote control so that the shaded area moves to the value.

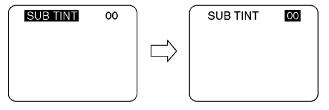


Fig. E4-2

3. Press CH UP/DOWN key on the remote control to adjust the value of the selected control.

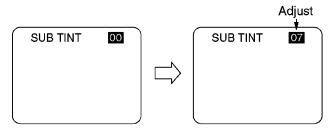


Fig. E4-3

#### Note:

You can select a desired channel by using the numbered keys on the remote control in EVR adjustment mode.

4. Press VOL -/+ key on the remote control so that the shaded area moves to the control function.

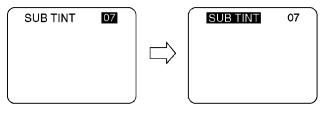


Fig. E4-4

5. Press CH UP/DOWN key on the remote control to select a control function for the next adjustment if necessary.

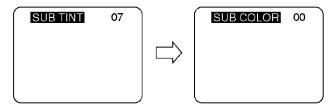


Fig. E4-5

# 7.3.4.2.2. How to release from EVR Adjustment Mode:

Press and hold STOP, PLAY, and VOL- buttons on the unit together over 5 seconds again or press the POWER button OFF to release EVR adjustment mode. The adjusted value will be written to Memory IC (IC6004).

# 7.3.4.3. HOW TO ENTER EVR PG SHIFTER ADJUSTMENT MODE

- 1. Enter EVR adjustment mode.
- 2. Insert the VHS Alignment Tape and playback in SP mode.
  The adjustment overlay will appear.

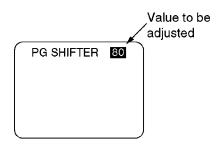


Fig. E4-6

### 7.3.4.3.1. How to adjust:

Press CH UP/DOWN key on the remote control to adjust the value.

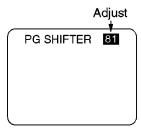


Fig. E4-7

# 7.3.4.3.2. How to release from EVR PG Shifter Adjustment Mode:

Press STOP button or press the POWER button OFF.
The adjusted value will be written to Memory IC (IC6004).

#### 7.3.4.4. HOW TO ENTER SERVICE MODE

- 1. Enter EVR adjustment mode.
- Press DISPLAY key on the remote control for collapse scan.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value for adjustments you will proceed.

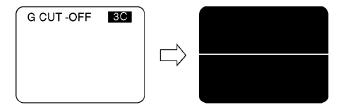


Fig. E4-8

# 7.3.4.4.1. How to release from Service Mode:

Press DISPLAY key again on the remote control.

#### 7.3.5. PG SHIFTER ADJUSTMENT

Purpose: Determine the Video Head Switching

Point during Playback.

Symptom of May cause Head Switching Noise and/or

Misadjustment: Vertical Jitter.

Test Point: TP3001 (TV/VCR Main C.B.A.),

TP6205 (TV/VCR Main C.B.A.)

Adjustment : PG SHIFTER (EVR)

Specification:  $T = 6 H \pm 1 H (0.38 ms \pm 0.06 ms)$ 

INPUT: ------Mode: SP Playbac

Mode: SP Playback Equipment: Oscilloscope,

VHS Alignment Tape (VFMS0003H6)

- 1. Enter EVR PG Shifter Adjustment mode, refer to "HOW TO ENTER EVR PG SHIFTER ADJUSTMENT MODE."
- 2. Connect the channel-1 scope probe to TP3001 and the channel-2 scope probe to TP6205. Used TP6205 as a trigger.
- Adjust value so that the trailing edge of the head switching pulse is placed 6 H±1 H (0.38 ms±0.06 ms) before the start of the vertical sync pulse.
- 4. Release EVR PG Shifter Adjustment Mode.

The adjusted value will be written to Memory IC (IC6004).

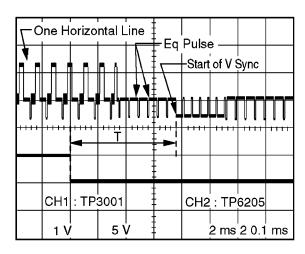


Fig. E5

#### 7.3.6. SUB CONTRAST ADJUSTMENT

Purpose: To set the optimum sub contrast level. Symptom of The picture is too dark or too light.

Misadjustment:

Test Point: Pin 5 of P6001 (TV/VCR Main C.B.A.) or

TP49 (CRT C.B.A.)

Adjustment: SUB CONTRAST (EVR)
Specification: 3.0 V[p-p]±0.1 V[p-p]
INPUT: Video Input Jack,

Crosshatch Pattern Signal 1 V[p-p]

(75  $\Omega$  terminated)

Mode: STOP Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply a Crosshatch Pattern Signal to the Video Input Jack.
- 2. Connect the Oscilloscope to Pin 5 of P6001 on the TV/VCR Main C.B.A. or TP49 on the CRT C.B.A.
- 3. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the (C0).
- 4. Select SUB CONTRAST in EVR adjustment mode and adjust so that the level A is 3.0 V[p-p]±0.1 V[p-p].
- 5. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

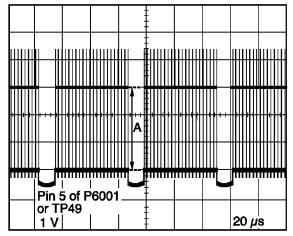


Fig. E6

# 7.3.7. FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT

Purpose: To set the optimum Focus and Screen.

Symptom of The picture is out of Focus and there will Misadiustment: be an improper screen color mix.

Test Point : TP50 (CRT C.B.A.)

Adjustment: FOCUS CONTROL (Flyback

Transformer),

**SCREEN CONTROL (Flyback** 

Transformer),

SUB BRIGHT (EVR),

B DRIVE (EVR), G DRIVE (EVR),

B CUT -OFF (EVR), G CUT -OFF (EVR), R CUT -OFF (EVR)

Specification: Refer to descriptions below.

INPUT: Video Input Jack,

Monoscope Pattern Signal

Mode: STOP
Equipment: Oscilloscope,

NTSC Video Pattern Generator

- Supply a Monoscope Pattern Signal to the Video Input Jack.
- 2. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)
- 3. Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.
- Adjust the FOCUS CONTROL on the Flyback Transformer so that the center of picture is the sharpest.
- 5. Turn the SCREEN CONTROL on the Flyback Transformer fully counterclockwise.
- Press DISPLAY key on the remote control for collapse scan. (Refer to HOW TO ENTER SERVICE MODE.)
- 7. Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (140 VDC±5 VDC: For model with 13 inch CRT) or (170 VDC±5 VDC: For model with 20 inch CRT) or (185 VDC±5 VDC: For model with 25 inch CRT).

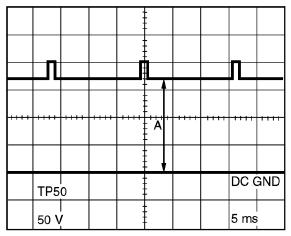


Fig. E7

8. Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where any color is

first observed.

9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (B CUT -OFF, G CUT -OFF, or R CUT -OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT -OFF and G CUT -OFF. (See NOTE)

- 10. Press DISPLAY key on the remote control again to return for full frame scan.
- 11. Select SUB BRIGHT in EVR adjustment mode and adjust so that the picture has adequate brightness.
- 12. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

# 7.3.8. SUB COLOR/SUB TINT ADJUSTMENT

Purpose: To set the standard color phase. Symptom of Color phase will be shifted.

Misadjustment:

Test Point: Pin 5 of P6001 (TV/VCR Main C.B.A.) or

TP49 (CRT C.B.A.)

Adjustment: SUB COLOR (EVR), SUB TINT (EVR)

Specification :  $C = 1.40 \text{ V[p-p]} \pm 0.15 \text{ V[p-p]}$ 

(For model with 13 inch CRT)
C = 1.50 V[p-p]±0.15 V[p-p]
(For model with 20/25 inch CRT)

INPUT: Video Input Jack,

Rainbow Color Bar

Mode: STOP

Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply the Rainbow Color Bar signal to Video Input Jack.
- 2. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the minimum (C0).
- 3. Connect the Oscilloscope to Pin 5 of P6001 on the TV/VCR Main C.B.A. or TP49 on the CRT C.B.A.
- 4. Select SUB TINT in EVR adjustment mode and adjust so that level A and B should be equal in amplitude.

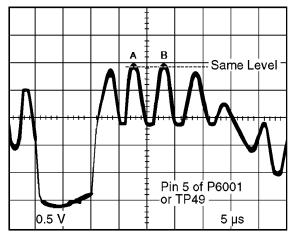


Fig. E8-1

5. Select SUB COLOR in EVR adjustment mode and adjust so that the level C is (1.40 V[p-p]±0.15 V[p-p]: For model with 13 inch CRT) or (1.50 V[p-p]±0.15 V[p-p]: For model with 20/25 inch CRT).

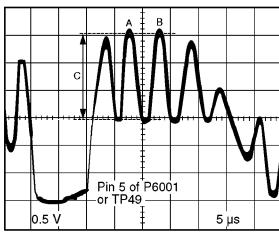


Fig. E8-2

- 6. Select SUB TINT in EVR adjustment mode and increase level B 1 click above the same level.
- 7. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

# 7.3.9. V. HEIGHT/H. POSITION ADJUSTMENT

Purpose: To set the standard vertical and

horizontal picture size.

Symptom of The picture size is on the vertical and

Misadjustment: horizontal axis is abnormal.

Test Point : -----

Adjustment: V SIZE (EVR),

H-CENTER (EVR), V POSITION (EVR)

(For model with 13/25 inch CRT)

Specification: Refer to descriptions below.

INPUT: Video Input Jack,

Monoscope Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator

#### (For model with 13 inch CRT)

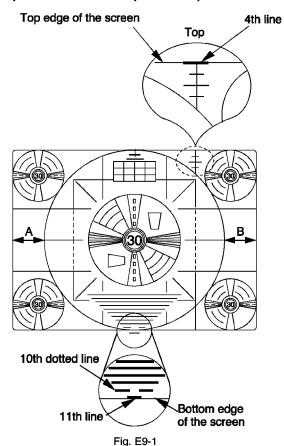
1. Supply a Monoscope Pattern Signal to the Video Input

2. Select H-CENTER in EVR adjustment mode and adjust so that width A is approximately equal to width B.

#### Note:

Width A is wider than width B slightly.

- 3. Select V SIZE in EVR adjustment mode and adjust so that the 11rd line is just in view.
- If the line are not positioned correctly, select V POSITION in adjustment mode and adjust correctly.



#### (For model with 20/25 inch CRT)

1. Supply a Monoscope Pattern Signal to the Video Input Jack.

- 2. Select H-CENTER in EVR adjustment mode and adjust so that A is approximately equal to width B.
- 3. Select V SIZE in EVR adjustment mode and adjust so that the top 4th line is just in view.
- 4. Confirm that the bottom 3rd line is in view and that the bottom 4th line is out of view.

#### (For model with 25 inch CRT only)

If the line are not positioned correctly, select V POSITION in adjustment mode and adjust correctly.

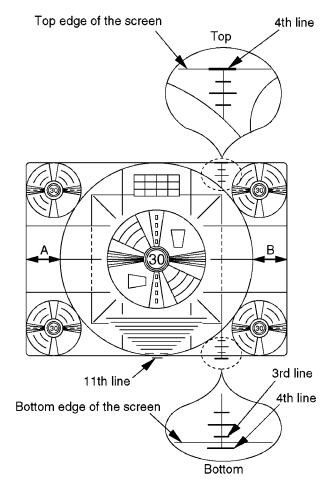


Fig. E9-2

#### 7.3.10. WHITE BALANCE ADJUSTMENT

Purpose: To set the standard white level for each

color temperature.

Symptom of

White becomes bluish or reddish.

Misadjustment:

Test Point: TP50 (CRT C.B.A)

Adjustment: FOCUS CONTROL (Flyback

Transformer),

**SCREEN CONTROL (Flyback** 

Transformer),

SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT -OFF (EVR),
G CUT -OFF (EVR),

B CUT -OFF (EVR)

Specification: Refer to descriptions below.

INPUT: Video Input Jack,

Monoscope Pattern Signal,

White Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator,

White Pattern Generator,

Oscilloscope

 Supply a Monoscope Pattern Signal to the Video Input Jack.

2. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)

- 3. Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.
- 4. Adjust the FOCUS CONTROL on the Flyback Transformer so that the center of picture is the sharpest.
- Turn the SCREEN CONTROL on Flyback Transformer fully counterclockwise.
- 6. Press DISPLAY key on the remote control for collapse scan. (Refer to HOW TO ENTER SERVICE MODE.)
- 7. Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (140 VDC±5 VDC: For model with 13 inch CRT) or (170 VDC±5 VDC: For model with 20 inch CRT) or (185 VDC±5 VDC: For model with 25 inch CRT).

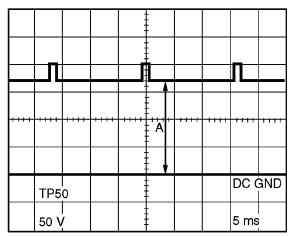


Fig. E10

8. Turn the SCREEN CONTROL on the Flyback Transformer

clockwise carefully and stop at the point where any color is first observed.

9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (B CUT -OFF, G CUT -OFF, or R CUT -OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT -OFF and G CUT -OFF. (See NOTE)

- 10. Supply a White Pattern Signal to the Video Input Jack.
- 11. Press DISPLAY key on the remote control again to return for full frame scan.
- 12. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.
- 13. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the minimum (C0) and while turning SUB BRIGHT value from minimum (C0) up to maximum (3F), confirm that the screen is tracking the White Pattern properly. Repeat the above steps 5, 9, 11, and 12 until the screen is properly tracking the White Pattern.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

#### 7.3.11. SUB BRIGHTNESS ADJUSTMENT

Purpose: To set the optimum brightness level. Symptom of The picture is too white or too black.

Misadjustment:

Test Point : -----

Adjustment : SUB BRIGHT (EVR)

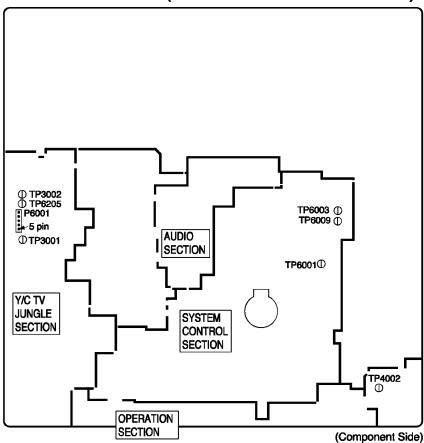
Specification: Refer to descriptions below.

INPUT: ------Mode: STOP

- 1. Do not input any signal to the unit.
- 2. Set INPUT SELECT item to LINE in SET UP TV menu to display black screen.
- 3. Select SUB BRIGHT in EVR adjustment mode, and adjust so that the black screen starts to turn gray (lighting only).

### 7.4. TEST POINTS AND CONTROL LOCATION

TV/VCR Main C.B.A. (For model with 13/20 inch CRT)

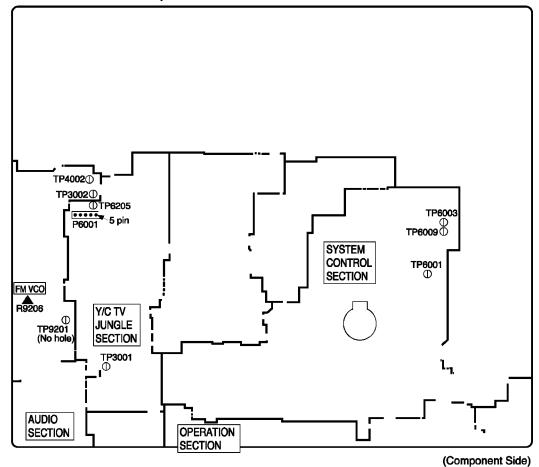


|        | FUNCTION OF IMPORTANT TEST POINTS                      |  |  |  |  |  |
|--------|--|--|--|--|--|--|
| TP3001 | Video Signal   |  |  |  |  |  |
| TP3002 | REC/PB Video envelope signal                           |  |  |  |  |  |
| TP4002 | Normal Audio signal                                    |  |  |  |  |  |
| TP6001 | Service Test Point (inhibit sensors)                   |  |  |  |  |  |
| TP6003 | Defeat Auto tracking function (connect to +5V(TP6009)) |  |  |  |  |  |
| TP6009 | +5V  |  |  |  |  |  |
| TP6205 | Head SW.   |  |  |  |  |  |

#### **Test Point Information**

- Test Point with a Test Pin.
- ① Test Point with a jumper wire across a hole in the P.C.B.
- O Test Point with no Test Pin.

TV/VCR Main C.B.A. (For model with 20 inch CRT TV Stereo/25 inch CRT)



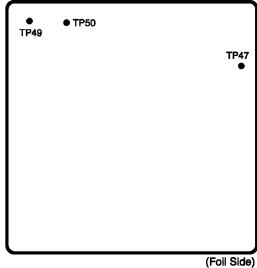
CRT C.B.A. (For model with 13 inch CRT)

TP50

TP47
TP49

(Foil Side)

CRT C.B.A. (For model with 20/25 inch CRT)



PV-C1323

# 8.1. SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES

#### 1. Important safety notice

Components identified by the sign have special characteristics important for safety. When replacing any of these components. Use only the specified parts.

2. Do not use the part number shown on this drawing for ordering.

The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.

3. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

- 4. Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 5. Test point information
  - : Test point with a jumper wire across a hole in P.C.B.
  - : Test point with no test pin.
- :Test point with a component lead on the foil side.

# **Schematic Diagram Notes**

Indication for Zener Voltage of Zener Diodes
 The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

Example:

(6.2V).....Zener Voltage

2. How to identify Connectors

Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to,

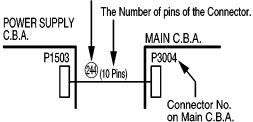
in other words, its counter part.

Use the interconnection schematic diagram to find the connection between associated connectors.

#### Example:

The connections between C.B.A.s are shown below.

Ref. No. of the connection parts such as lead cable, flexible cable which is supplied as a replacement parts.

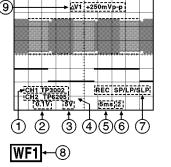


3. Parts marked "PT" are not used in any models included in this service model.

4. Jumper wires are used for WA10, WA5 etc and these are not supplied as replacement parts.

# Signal Waveform Note

How to read Signal Waveform



- ① Connecting Point
- ② Volts/Div
- 3 Volts/Div
- 4 Connecting Point
- 5 Time/Div
- Trigger Channel of the scope (1:CH1,2:CH2)
- Operation Mode of VCR
- 8 Waveform Point on Schematic

# Circuit Board Layout Note

Circuit Board Layout shows components installed for various models.

For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

#### NOTE:

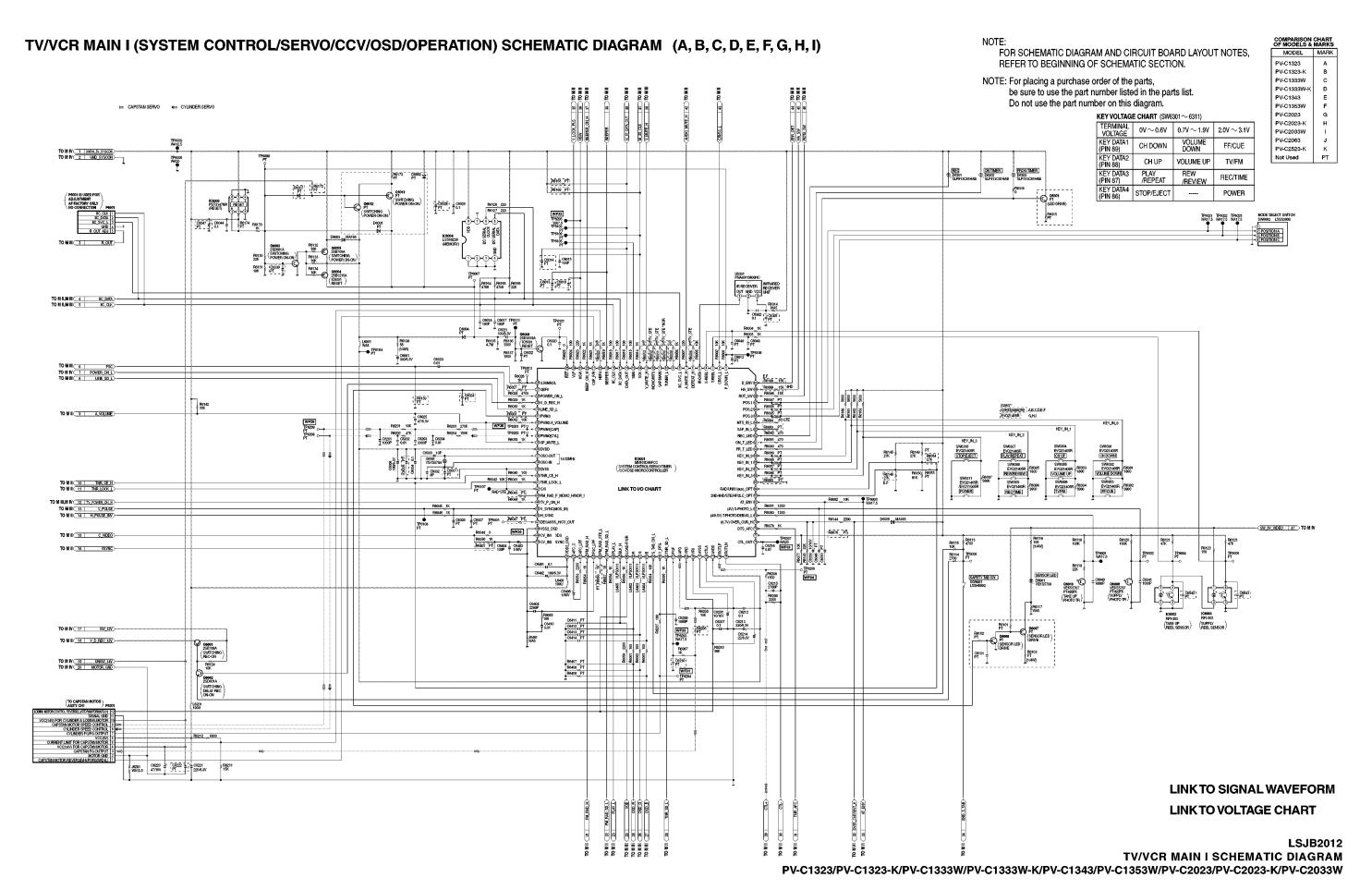
Circuit Board Layout includes components which are not used.

# **Model No. Identification Mark**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | н    |
| PV-C2033W   | - 1  |
| PV-C2063    | J    |
| PV-C2523-K  | К    |
| Not Used    | PT   |

Note: Refer to item 3 of Schematic Diagram Notes for mark "PT".

### 2. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W)



#### NOI

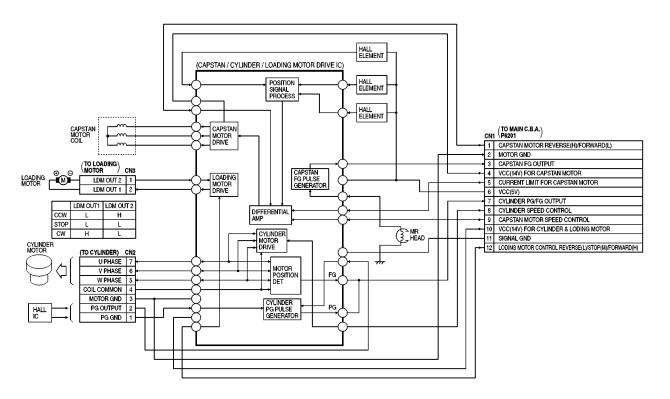
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

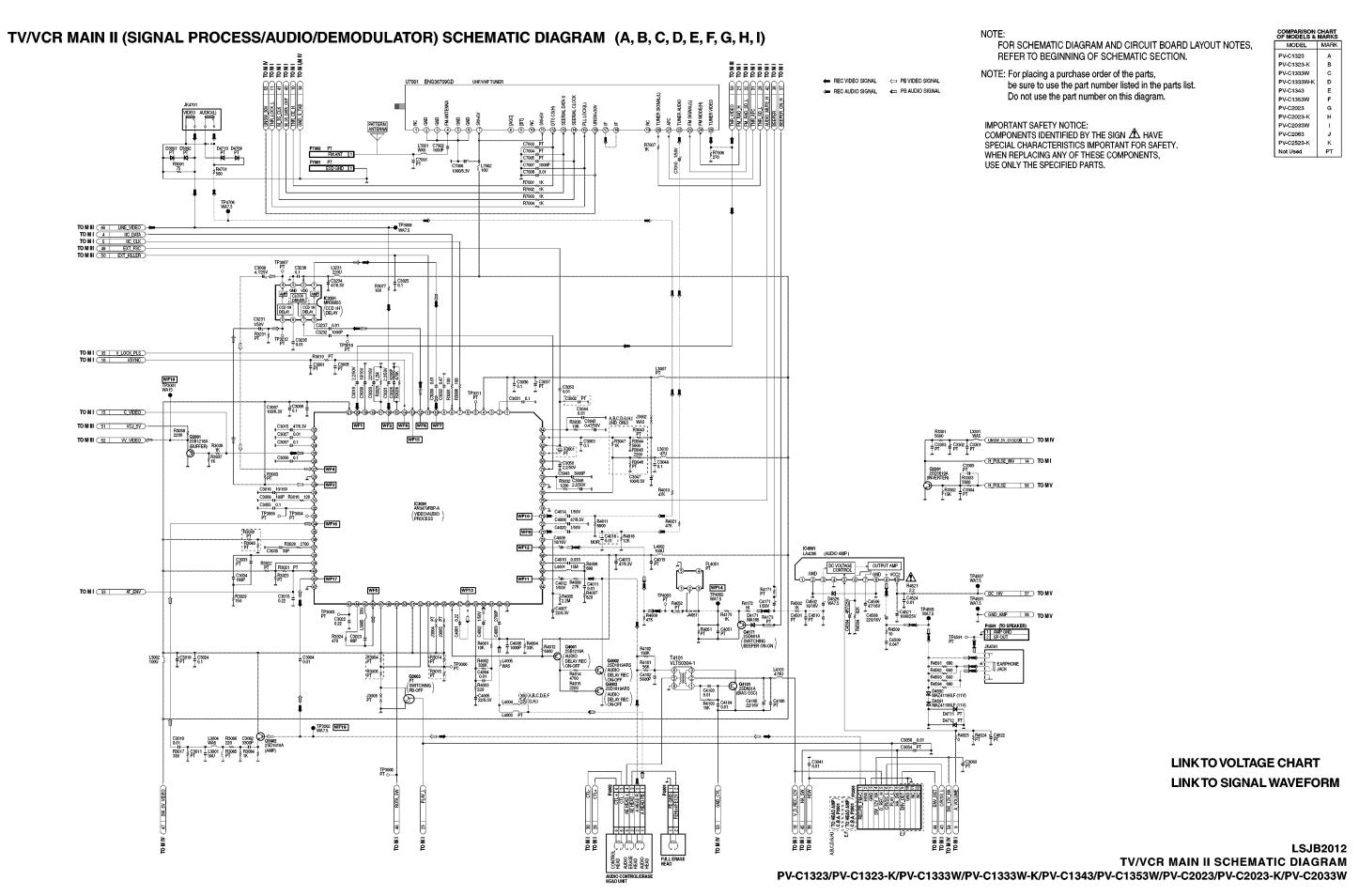
### I/O CHART OF IC6001

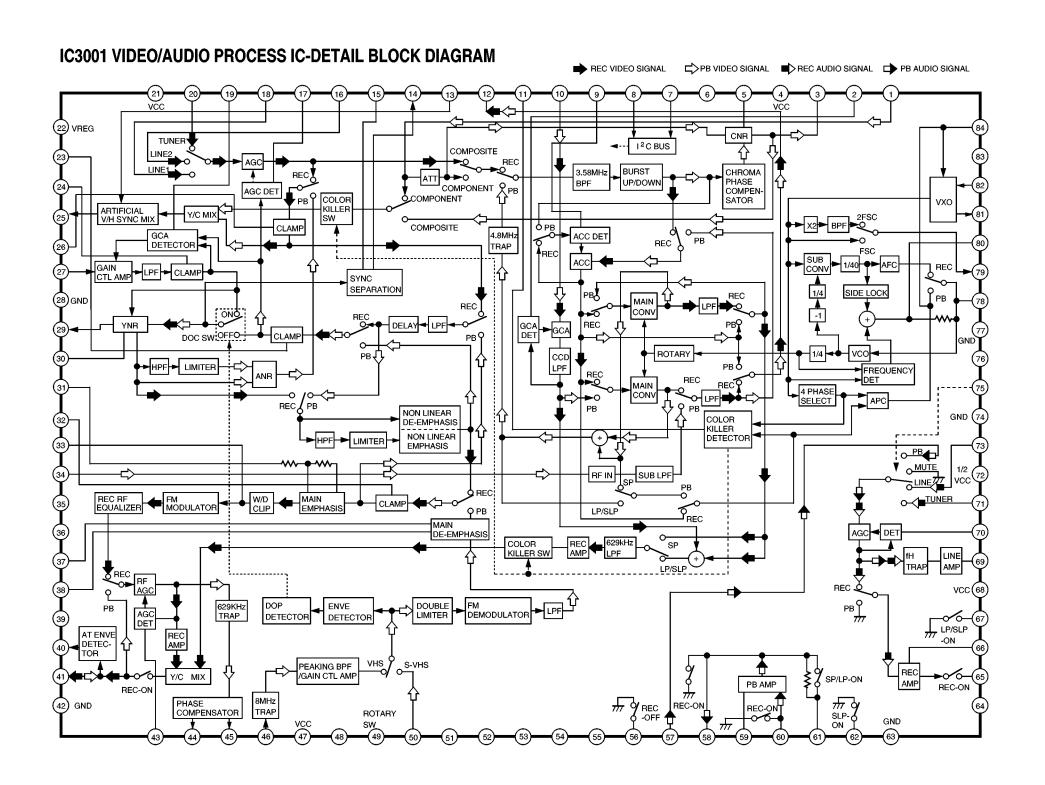
| Pin No.  | 1/0    | Signal Name           | Description                                     | Pin No.  | I/O | Signal Name          | Description                                      |
|----------|--------|-----------------------|---|----------|-----|----------------------|--|
| 1        |        | P DOWN L              | POWER DOWN(L)                                   | 51       | ī   | VDD2 OSD             | VDD  |
| 2        |        | CRSS L                | CUE/REV/SLOW/STILL(L)                           | 52       | Ħ   | AFC_C                | AFC  |
| 3        |        | T-REEL                | TAKE-UP REEL PULSE                              | 53       | -   | AFC_LPF              | AFC  |
| 4        | -      | S-REEL                | SUPPLY REEL PULSE                               | 54       | -   | FM_RAD_H             | FM RADIQ(H)                                      |
| 5        | _      | IR-DATA               | IR-DATA   | 55       |     | FSC_LPF              | FSC  |
| 6        |        | DEFEAT_H              | (Not used)                                      | 56       | _   | FM_RAD_STE_L         | FM STEREO(L)                                     |
| 7        |        | A_MUTE_H              | AUDIO MUTE(H)                                   | 57       | Ħ   | FM_RAD_SD_L          | FM SIGNAL(L)                                     |
| 8        |        | IIC_SVC_L             | I2C SERVICE MODE(L)                             | 58       |     | PLAY_L               | PB(L)  |
| 9        | ÷      | NC                    | (Not used)                                      | 59       |     | BLK_H                | BLANKING PULSE(H)                                |
| 10       | 0      | TUNER_L               | (Not used)                                      | 60       |     | LOAD-F/S/R           | LOADING MOTOR CONTROL REVERSE(LI/STOP(M)/FORWARI |
| 11       |        | SAP/MAIN              | (Not used)                                      | 61       | ō   | B                    | OSD RED  |
| 12       | _      | MONO/MTS              | (Not used)                                      | 62       |     | G                    | OSD GREEN  |
| 13       | _      | V_MUTE_H              | (Not used)                                      | 63       | 0   |                      | OSD BLUE   |
| 14       | _      | SCK                   | SERIAL CLOCK                                    | 64       | _   | S_TAB_ON_L           | SAFETY TAB ON(L)                                 |
| 15       | Ť      | SBIO                  | (Not used)                                      | 65       |     | Y_PFG                | CYL PG/FG  |
| 16       | _      | DATA_OUT              | SERIAL DATA OUTPUT                              | 66       | H   | TNR_SD_L             | TUNER SIGNAL(L)                                  |
|          | _      | IIC DATA              | I2C SERIAL DATA                                 | 67       | 0   | FGF                  | CAP FG   |
| 18       | _      | IIC CLK               | I2C SERIAL CLOCK                                | 68       | Ť   | AFG                  | CAP FG   |
|          | _      | BEEPER                | BEEPER  | 69       | 0   | VRO                  | V-REF 1  |
| 20       | I/U    | NC                    |   | 70       | ř   | VRU                  | V-REF 2  |
| 21       | -      | CAP_F/R               | (Not used)  CAPSTAN MOTOR REVERSE(H)/FORWARD(L) | 71       | H   | AVSS                 | GND  |
| 22       |        | BEEP ON H             | 17  | 72       | -   | CTLA                 | •          |
|          | _      |                       | BEEPER ON(H)                                    |          | 1   |                      | CTL AMP  |
| 23       | _      | HSW                   | HEAD SW   | 73       | 1   | AVDD                 | VDD  |
| 24       | 0      | VLP                   | V-LOCK PULSE                                    | 74       | 1/0 | RCTLP                | CTL PULSE(+)                                     |
| 25       | 1      | RST                   | RESET(L)  | 75       | -   | RCTLN                | CTL PULSE(-)                                     |
| 26       | _      | 3.58MHz/L             | 3.58MHz   | 76       |     | CTL_OUT              | PB CONTROL PULSE                                 |
| 27       | -      | NC                    | (Not used)                                      | 77       | -   | NC                   | (Not used)                                       |
| 28       |        | POWER_ON_L            | POWER ON(L)                                     | 78       | 1   | DTS_AFC              | AFC  |
| 29       |        | V_D_REC_H             | VIDEO DELAY REC(H)                              | 79       | L   | OVER_CUR_H           | OVER CURRENT(H)                                  |
| 30       |        | LINE_SD_L             | TV SIGNAL(L)                                    | 80       | 1   | T-PHOTO/DEBUG_L      | TAKE-UP PHOTO TR(L)/SERVICE(L)                   |
| 31       | _      | NC                    | (Not used)                                      | 81       | L   | S-PHOTO_L            | SUPPLY PHOTO TR(L)                               |
| 32       |        | A_VOLUME              | AUDIO VOLUME                                    | 82       |     | AT_ENV               | ENV-VOLTAGE                                      |
| 33       | _      | CAP                   | CAP ERROR                                       | 83       | _   | 2H/4H/STE/HF/2LC_OPT | SWITCHING TERMINAL OPTION (2HEAD/4HEAD/STERE     |
| 34       | _      | CYL                   | CYL ERROR                                       | 84       | -   | RAD/UNIV/aux_OPT     | SWITCHING TERMINAL OPTION (FM RADIO/UNIVERSAL    |
| 35       | _      | SP_MUTE_L             | AUDIO AMP MUTE(L)                               | 85       | •   | NC                   | (Not used)                                       |
| 36       | Ι      | DVDD                  | VDD   | 86       | 1   | KEY_IN_3             | KEY DATA 3                                       |
| 37       | 0      | OSC-OUT               | OSC 2   | 87       | 1   | KEY_IN_2             | KEY DATA 2                                       |
| 38       | 1      | OSC-IN                | OSC 1   | 88       | 1   | KEY_IN_1             | KEY DATA 1                                       |
| 39       | -      | DVSS                  | GND   | 89       | 1   | KEY_IN_0             | KEY DATA 0                                       |
| 40       | 0      | TNR_CE_H              | TUNER CHIP ENABLE(H)                            | 90       | 0   | PR_T_LED             | PROGRAM TIMER LED ON(L)                          |
| 41       | 1      | TNR_LOCK_L            | TUNER LOCK SIGNAL(L)                            | 91       | 0   | ON_T_LED             | ON TIMER LED ON(L)                               |
| 42       | 1      | SXI                   | SXI   | 92       | 0   | REC_LED              | REC LED ON(L)                                    |
| 43       | 1/0    | FM_RAD_F_MONO_H/NOR_I | (Not used)                                      | 93       | T   | SAP_IN_L             | (Not used)                                       |
| 44       | 0      | TV_P_ON_H             | TV POWER ON(H)                                  | 94       | T   | MTS_IN_L             | (Not used)                                       |
| 45       | Ι      | V_SYNC                | Y-SYNC  | 95       | T   | POS.3                | MODE SW POSITION C                               |
|          | Т      | H_SYNC                | H-SYNC  | 96       | Т   | POS.2                | MODE SW POSITION B                               |
| 46       | _      | NC                    | (Not used)                                      | 97       | Т   | POS.1                | MODE SW POSITION A                               |
| 46<br>47 | -      |                       |   |          |     |                      |  |
|          | -      | VSS2_OSD              | GND   | 98       | 0   | ROT_SW               | ROTARY SW  |
| 47       | ·<br>· |                       | , ,   | 98<br>99 | -   | ROT_SW<br>HA_SW      | ROTARY SW<br>HEAD AMP SW                         |

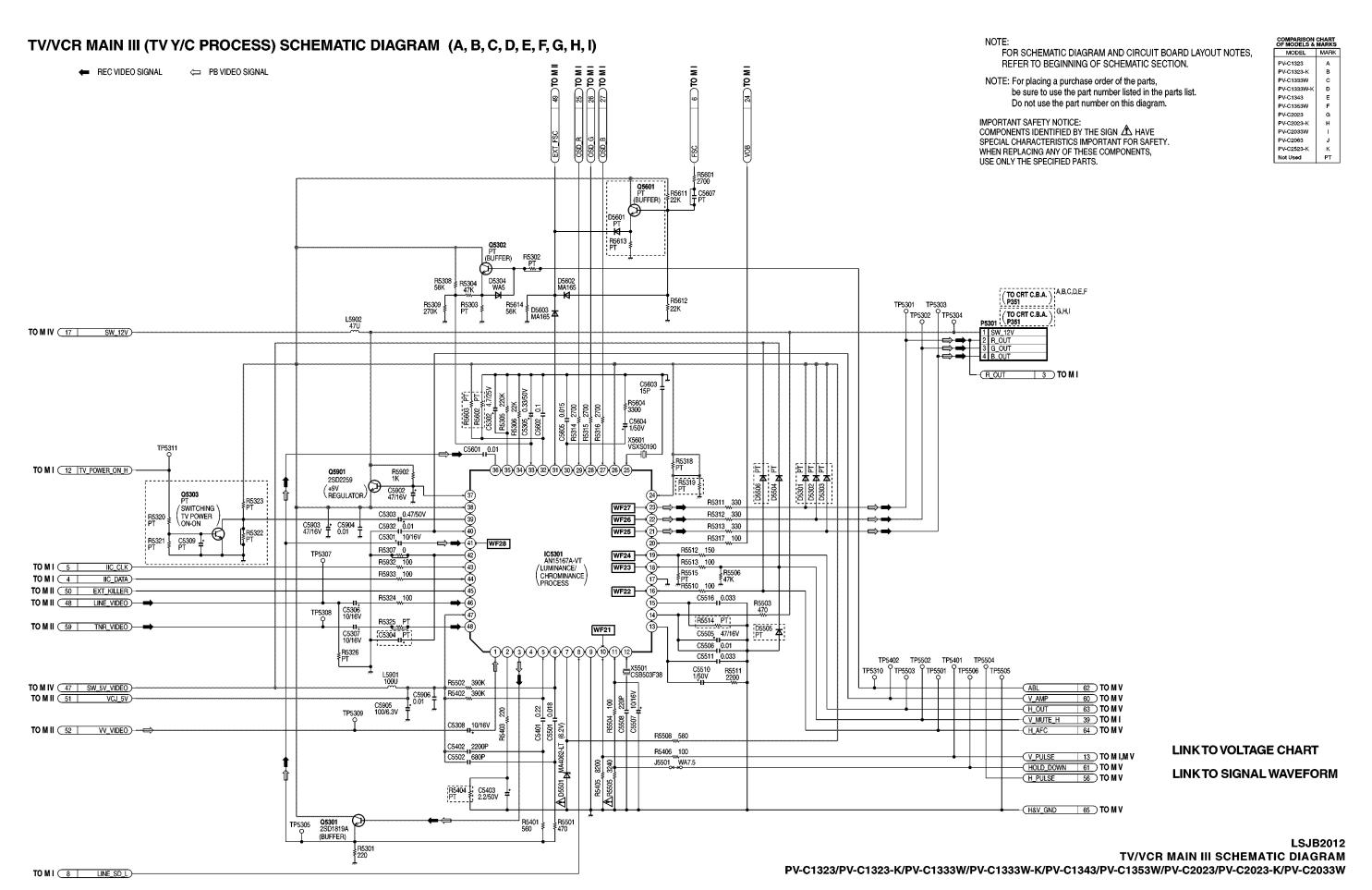
# **CAPSTAN MOTOR ASS'Y**

NOTE:
CAPSTAN MOTOR ASS'Y (REF. NO. 46) IS SUPPLIED AS A UNIT ONLY.
HOWEVER, THE FLAT FLEXIBLE CABLE (REF. NO. 48) IS AVAILABLE SEPARATELY AS A REPLACEMENT PART.

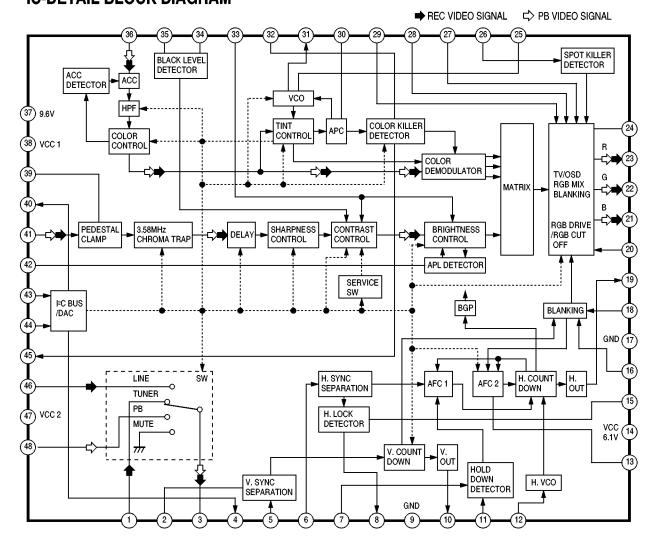


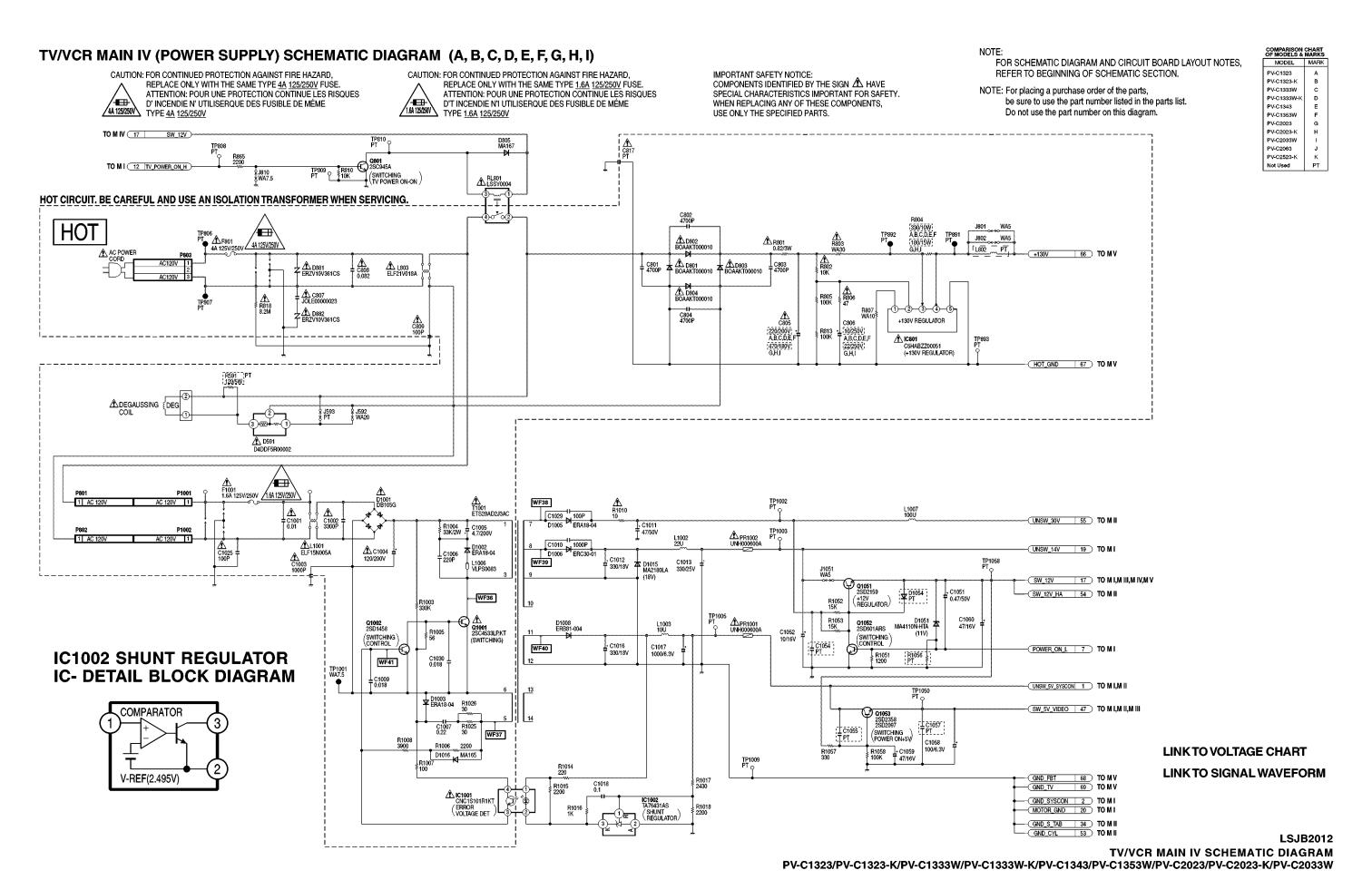






# IC5301 LUMINANCE/CHROMINANCE PROCESS IC-DETAIL BLOCK DIAGRAM



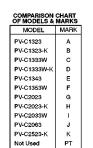


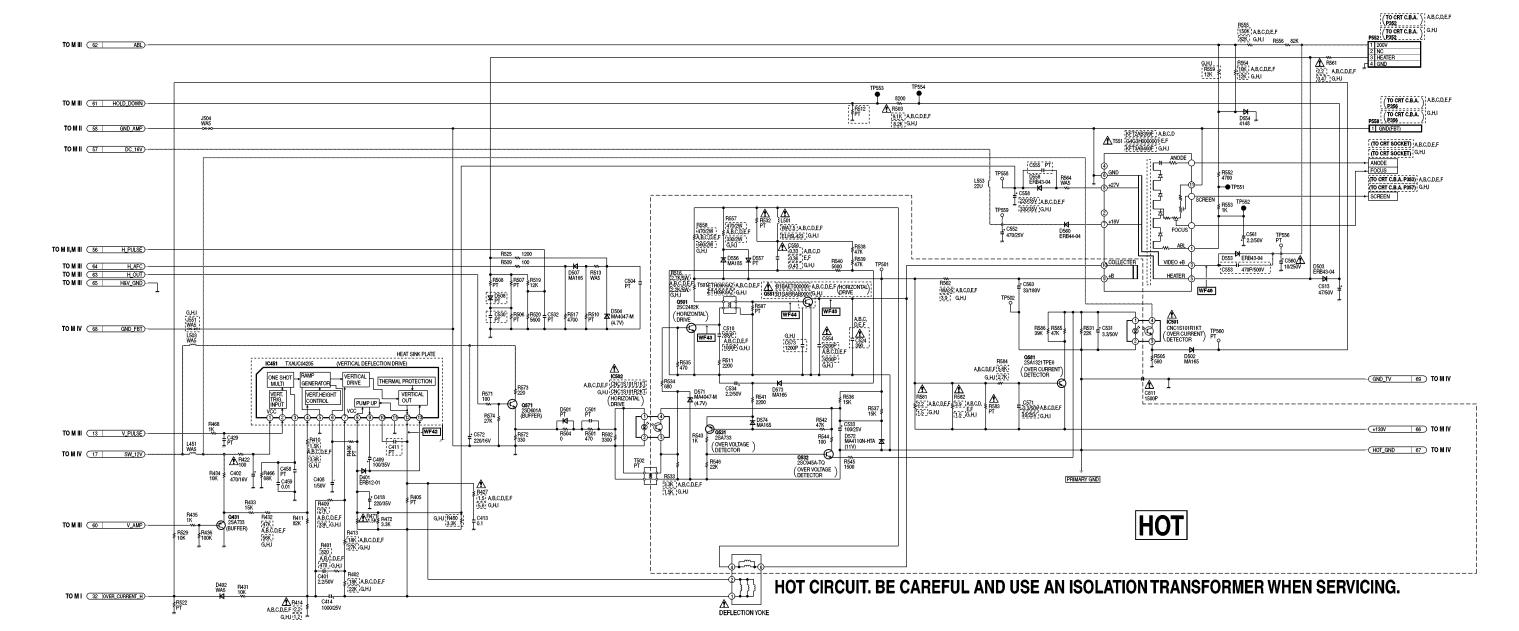
### TV/VCR MAIN V (TV) SCHEMATIC DIAGRAM (A, B, C, D, E, F, G, H, I)

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

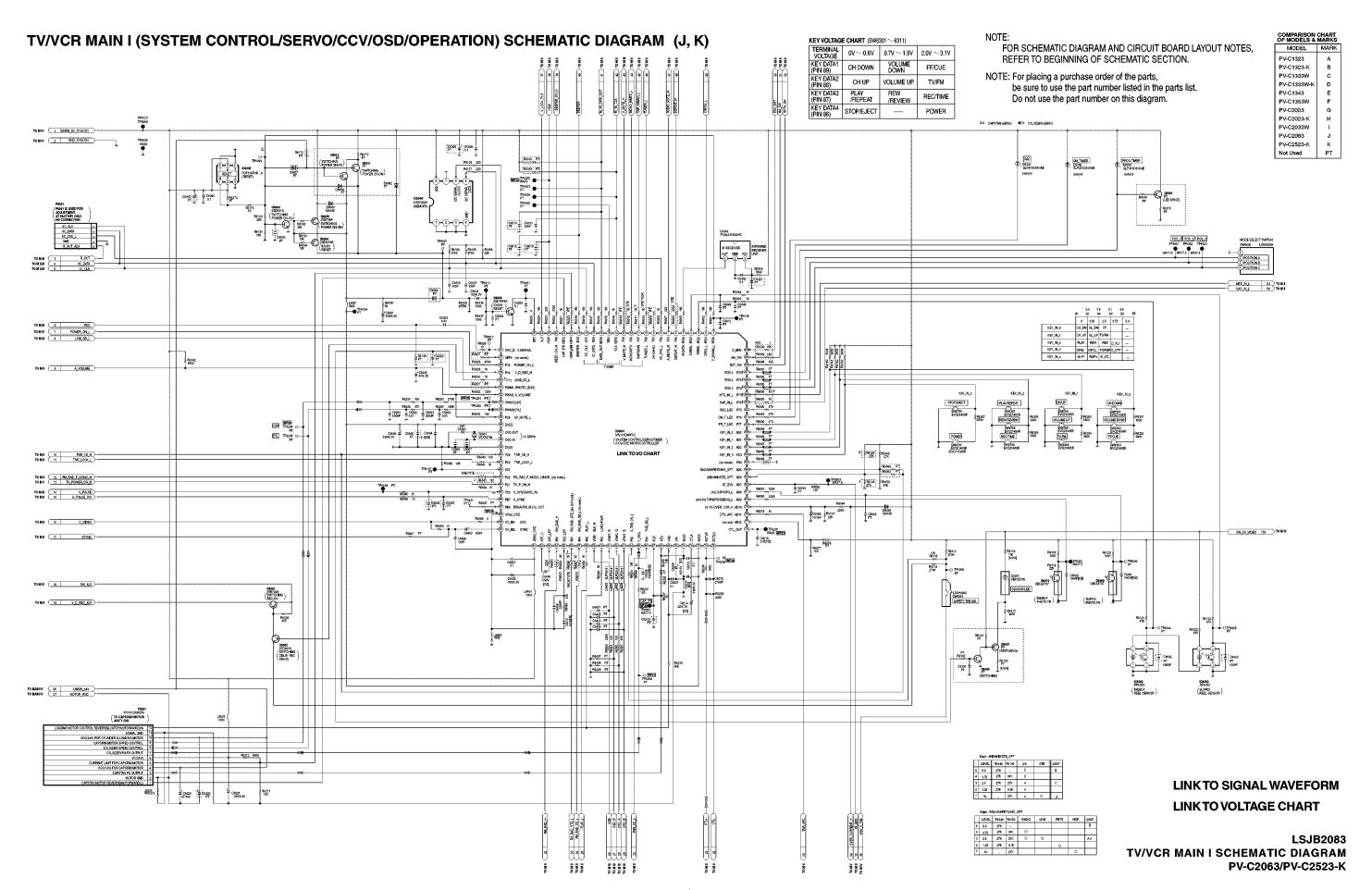




LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2012 TV/VCR MAIN V SCHEMATIC DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W

# 8.3. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-C2063/PV-C2523-K)



#### NOTE:

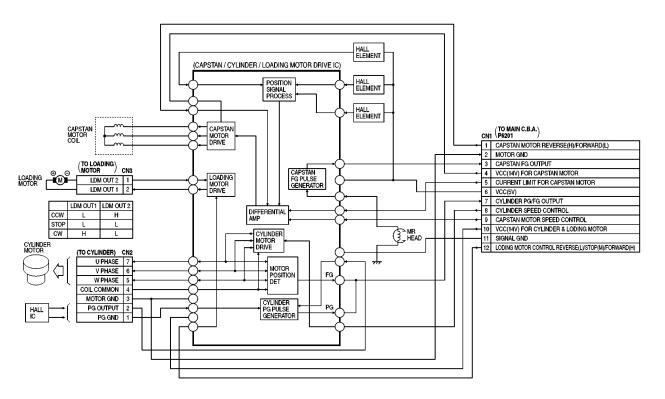
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

# I/O CHART OF IC6001

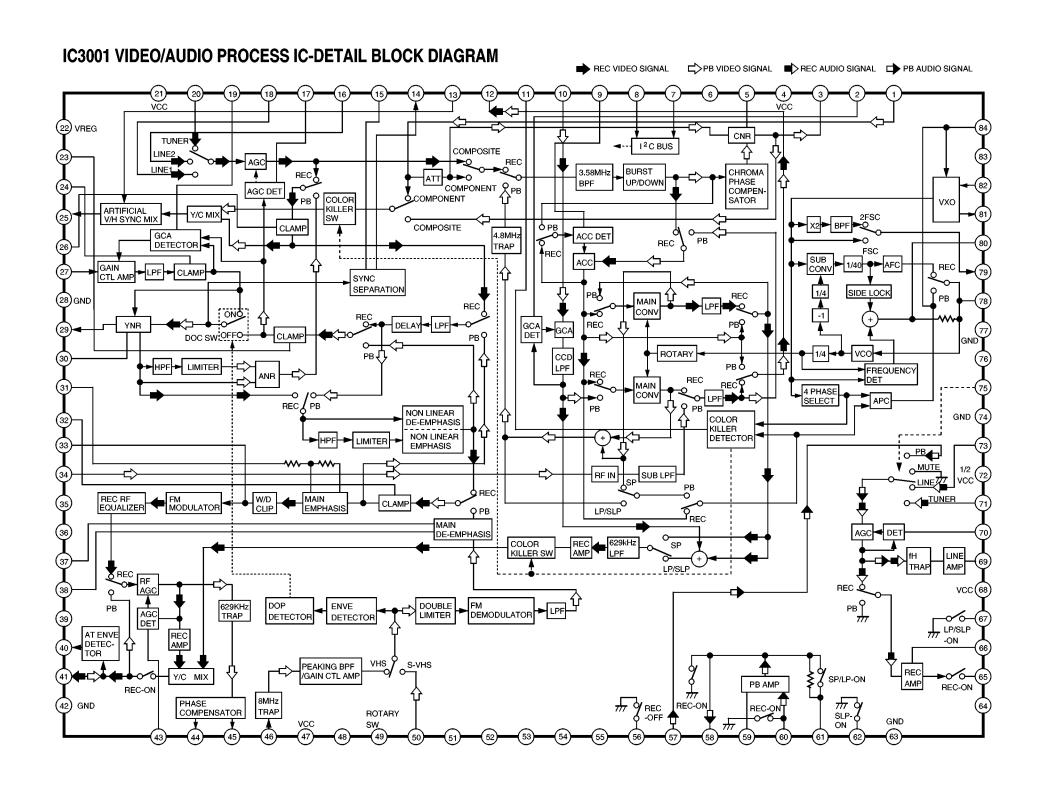
| Pin No. | IΙΩ | Signal Name           | Description                         | Pin No. | 1/0      | Signal Name          | Description   |
|---------|-----|-----------------------|-------------------------------------|---------|----------|----------------------|---|
| 1       |     | P DOWN L              | POWER DOWN(L)                       | 51      | ī        | VDD2 OSD             | VDD   |
| -       |     |                       | 1.7                                 | _       | ı.       |                      | AFC   |
| 2       |     | CRSS_L                | CUE/REV/SLOW/STILL(L)               | 52      |          | AFC_C                | AFC   |
| 3       | _   | T-REEL                | TAKE-UP REEL PULSE                  | 53      | -        | AFC_LPF              |   |
| 4       | 1   | S-REEL                | SUPPLY REEL PULSE                   | 54      |          | FM_RAD_H             | FM RADIO(H)   |
| 5       |     | IR-DATA               | IR-DATA                             | 55      |          | FSC_LPF              | FSC   |
| 6       |     | DEFEAT_H              | AUDIO DEFEAT(H)                     | 56      | _        | FM_RAD_STE_L         | FM STEREO(L)  |
| 7       |     | A_MUTE_H              | AUDIO MUTE(H)                       | 57      | 1        | FM_RAD_SD_L          | FM SIGNAL(L)  |
| 8       |     | IIC_SVC_L             | I2C SERVICE MODE(L)                 | 58      | -        | PLAY_L               | PB(L)   |
| 9       | •   | NC                    | (Not used)                          | 59      |          | BLK_H                | BLANKING PULSE(H)                                   |
| 10      |     | TUNER_L               | TV TUNER(H)/FM TUNER(L)             | 60      |          | LOAD-F/S/R           | LOADING MOTOR CONTROL REVERSE(L)/STOP(M)/FORWARD(H) |
| 11      |     | SAP/MAIN              | SAP(H)/MAIN(L)                      | 61      |          | R                    | OSD RED   |
| 12      |     | MONO/MTS              | MONO(H)/STEREO(L)                   | 62      | 0        |                      | OSD GREEN   |
| 13      |     | V_MUTE_H              | (Not used)                          | 63      | 0        | _                    | OSD BLUE  |
| 14      |     | SCK                   | SERIAL CLOCK                        | 64      |          | S_TAB_ON_L           | SAFETY TAB ON(L)                                    |
| 15      | _   | SBIO                  | (Not used)                          | 65      | -        | Y_PFG                | CYL PG/FG   |
| 16      |     | DATA_OUT              | SERIAL DATA OUTPUT                  | 66      | 1        | TNR_SD_L             | TUNER SIGNAL(L)                                     |
| 17      | 1/0 | IIC_DATA              | I2C SERIAL DATA                     | 67      | 0        | FGF                  | CAP FG  |
| 18      | 0   | IIC_CLK               | I2C SERIAL CLOCK                    | 68      | 1        | AFG                  | CAP FG  |
| 19      | 1/0 | BEEPER                | BEEPER                              | 69      | 0        | VRO                  | V-REF 1   |
| 20      |     | NC                    | (Not used)                          | 70      | Τ        | VRI                  | V-REF 2   |
| 21      | 0   | CAP_F/R               | CAPSTAN MOTOR REVERSE(H)/FORWARD(L) | 71      | -        | AVSS                 | GND   |
| 22      | 0   | BEEP_ON_H             | BEEPER ON(H)                        | 72      | 1        | CTLA                 | CTL AMP   |
| 23      | 0   | HSW                   | HEAD SW                             | 73      | Τ        | AVDD                 | VDD   |
| 24      | 0   | VLP                   | V-LOCK PULSE                        | 74      | 1/0      | RCTLP                | CTL PULSE(+)  |
| 25      | Τ   | RST                   | RESET(L)                            | 75      | -        | RCTLN                | CTL PULSE(-)  |
| 26      | 0   | 3.58MHz/L             | 3.58MHz                             | 76      | 0        | CTL_OUT              | PB CONTROL PULSE                                    |
| 27      | -   | NC                    | (Not used)                          | 77      | -        | NC                   | (Not used)  |
| 28      | 0   | POWER_ON_L            | POWER ON(L)                         | 78      | T        | DTS_AFC              | AFC   |
| 29      | 0   | V_D_REC_H             | VIDEO DELAY REC(H)                  | 79      | T        | OVER_CUR_H           | OVER CURRENT(H)                                     |
| 30      | ı   | LINE_SD_L             | TV SIGNAL(L)                        | 80      | T        | T-PHOTO/DEBUG_L      | TAKE-UP PHOTO TR(L)/SERVICE(L)                      |
| 31      |     | NC                    | (Not used)                          | 81      | T        | S-PHOTO_L            | SUPPLY PHOTO TR(L)                                  |
| 32      | 0   | A_VOLUME              | AUDIO VOLUME                        | 82      | T        | AT_ENV               | ENV-VOLTAGE   |
| 33      |     | CAP                   | CAP ERROR                           | 83      |          | 2H/4H/STE/HF/2LC_OPT | SWITCHING TERMINAL OPTION (2HEAD/4HEAD/STEREO)      |
| 34      |     | CYL                   | CYL ERROR                           | 84      |          | RAD/UNIV/aux OPT     | SWITCHING TERMINAL OPTION (FM RADIO/UNIVERSAL)      |
| 35      | _   | SP_MUTE_L             | AUDIO AMP MUTE(L)                   | 85      |          | NC                   | (Not used)  |
| 36      | _   | DVDD                  | VDD                                 | 86      | П        | KEY_IN_3             | KEY DATA 3  |
| 37      | _   | OSC-OUT               | OSC 2                               | 87      | -        | KEY_IN_2             | KEY DATA 2  |
| 38      | ī   | OSC-IN                | OSC 1                               | 88      | Ħ        | KEY_IN_1             | KEY DATA 1  |
| 39      | ÷   | DVSS                  | GND                                 | 89      | <u> </u> | KEY_IN_0             | KEY DATA 0  |
| 40      |     | TNR_CE_H              | TUNER CHIP ENABLE(H)                | 90      |          | PR_T_LED             | PROGRAM TIMER LED ON(L)                             |
| 41      | ī   | TNR_LOCK_L            | TUNER LOCK SIGNAL(L)                | 91      |          | ON_T_LED             | ON TIMER LED ON(L)                                  |
| 42      | i   | SXI                   | SXI                                 | 92      | -        | REC_LED              | REC LED ON(L)                                       |
|         | _   | FM_RAD_F_MONO_H/NOR_I | FM MONO(H)                          | 93      | -        | SAP_IN_L             | SAP SIGNAL(L)                                       |
| 44      |     | TV_P_ON_H             | TV POWER ON(H)                      | 94      | H        | MTS_IN_L             | MTS SIGNAL(L)                                       |
| 44      |     | V_SYNC                | Y-SYNC                              | 95      | H        | POS.3                | MODE SW POSITION C                                  |
| - 14    |     |                       | H-SYNC                              |         | H        | POS.3<br>POS.2       | MODE SW POSITION C MODE SW POSITION B               |
| 46      | 1   | H_SYNC                | 1 1                                 | 96      | ı.       |                      |   |
| 47      | -   | NC                    | (Not used)                          | 97      | -        | POS.1                | MODE SW POSITION A                                  |
| 48      | -   | VSS2_OSD              | GND                                 | 98      | -        | ROT_SW               | ROTARY SW   |
| 49      | 1   | CV_IN1                | VIDEO                               | 99      | -        | HA_SW                | HEAD AMP SW   |
| 50      | 1   | CV_IN2                | VIDEO                               | 100     | 1        | D_ENV                | ENVELOPE DET  |

# **CAPSTAN MOTOR ASS'Y**

NOTE: CAPSTAN MOTOR ASS'Y (REF. NO. 46) IS SUPPLIED AS A UNIT ONLY. HOWEVER, THE FLAT FLEXIBLE CABLE (REF. NO. 48) IS AVAILABLE SEPARATELY AS A REPLACEMENT PART.

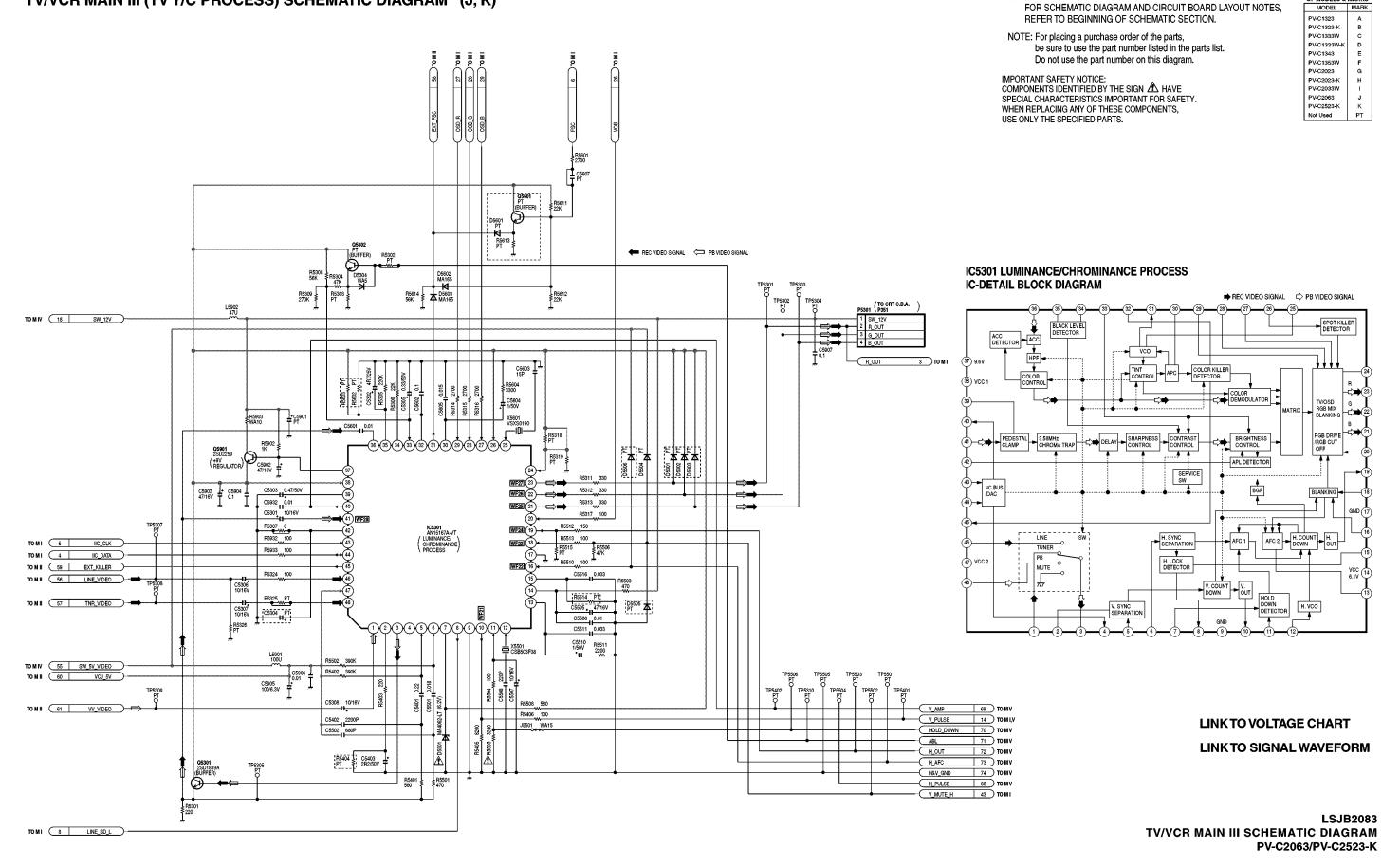


# COMPARISON CHART OF MODELS & MARKS TV/VCR MAIN II (SIGNAL PROCESS/AUDIO/DEMODULATOR) SCHEMATIC DIAGRAM (J, K) FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES. REFER TO BEGINNING OF SCHEMATIC SECTION. PV-C1323 PV-C1323-K NOTE: For placing a purchase order of the parts, PV-C1333W PV-C1333W-F be sure to use the part number listed in the parts list. PV-C1343 Do not use the part number on this diagram. PV-C1353W PV-C2023 IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS. PV-C2023-K PV-C2033W PV-C2063 PV-C2523-K 07002 PT (BUFFER) 17001 8 WAS Not Used S WAS \$ | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 8 | 5 R3045 2200 C3050 2R050V 13002 F3002 R9046 PT - FM\_RAD\_F\_MONO\_H | 12 | TO M I - FM\_RAD\_STE\_L | 22 | TO M I FM\_RAD\_H 22 TO MI TUNER\_L # TO MI R3000 | C3005 | 30P R3006 | 2700 P1 | R3009 | 150 C3003 | 180P | C3003 | P1 C4010 0.003 R4006 #C4007 L4001 15M 680 #2298.3V 1 COSO 1 500 WE S WE WITH DUTT PHOTO SOCIOLON WANTS PT 300K C4K04 -10 84003 C4K05 -20 226.3W R4593 LINK TO VOLTAGE CHART LINK TO SIGNAL WAVEFORM H\_PULSE\_INV IS TO NO CONTROL HEAD HEAD HEAD HEAD LSJB2083



PV-C1323

# TV/VCR MAIN III (TV Y/C PROCESS) SCHEMATIC DIAGRAM (J, K)



COMPARISON CHART OF MODELS & MARKS

# TV/VCR MAIN IV (POWER SUPPLY) SCHEMATIC DIAGRAM (J, K)

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 4A 125/250V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNDE PROTECTION CONTINUE LES RISQUES
D'T INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME
TYPE 1.6A 125/250V

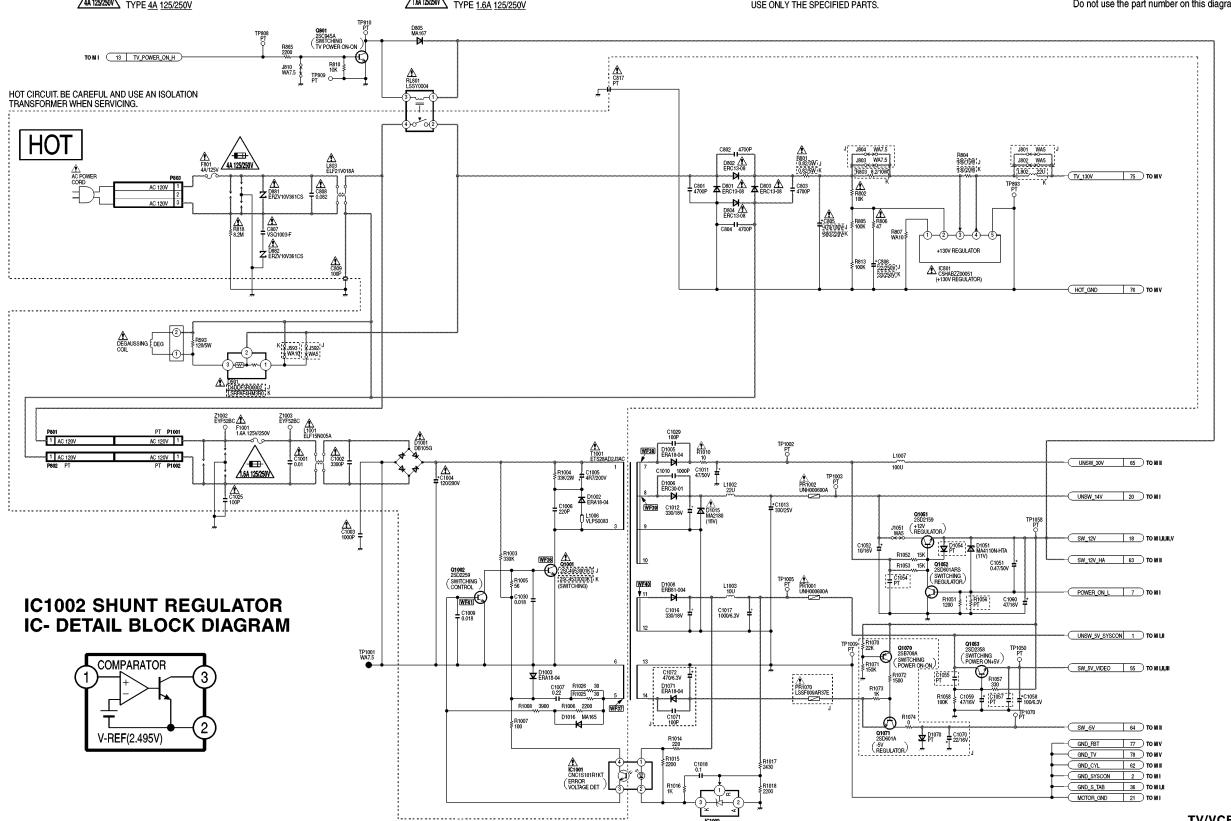
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN 🗘 HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram. COMPARISON CHART
OF MODELS & MARK

PV-C1323 A
PV-C1323-K
B
PV-C1323-K
D
PV-C1333W-K
D
PV-C1343-E
PV-C1343-E
PV-C1343-E
PV-C2023-C
PV-C2023-K
PV-C2023-K
PV-C2023-K
PV-C2023-K
PV-C2033-W
PV-C2063-D
PV-C2063-D
PV-C2064-D
PV



LINK TO VOLTAGE CHART
LINK TO SIGNAL WAVEFORM

LSJB2083 TV/VCR MAIN IV SCHEMATIC DIAGRAM PV-C2063/PV-C2523-K

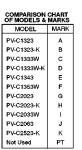
### TV/VCR MAIN V (TV) SCHEMATIC DIAGRAM (J, K)

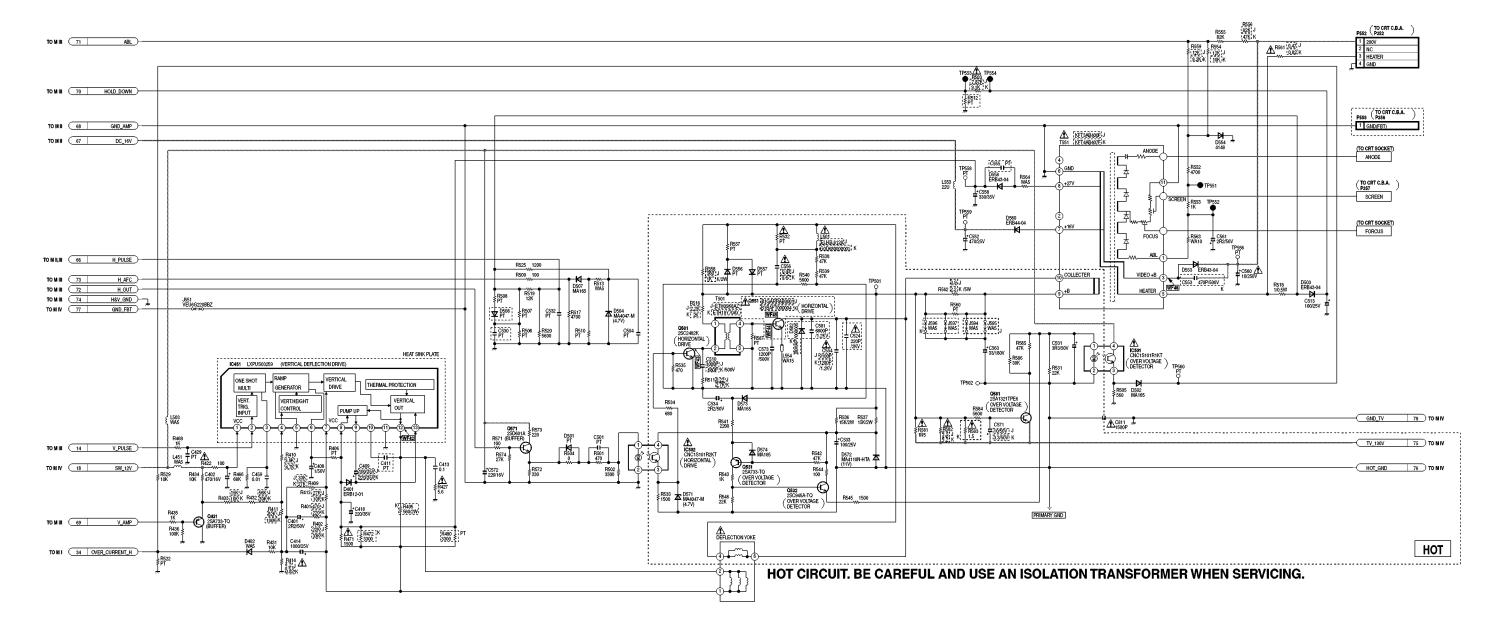
NOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.





LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2083 TV/VCR MAIN V SCHEMATIC DIAGRAM PV-C2063/PV-C2523-K

# 8.4. HEAD AMP SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2523-K)

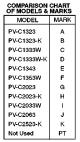
HEAD AMP SCHEMATIC DIAGRAM (A, B, C, D, G, H, I, K)

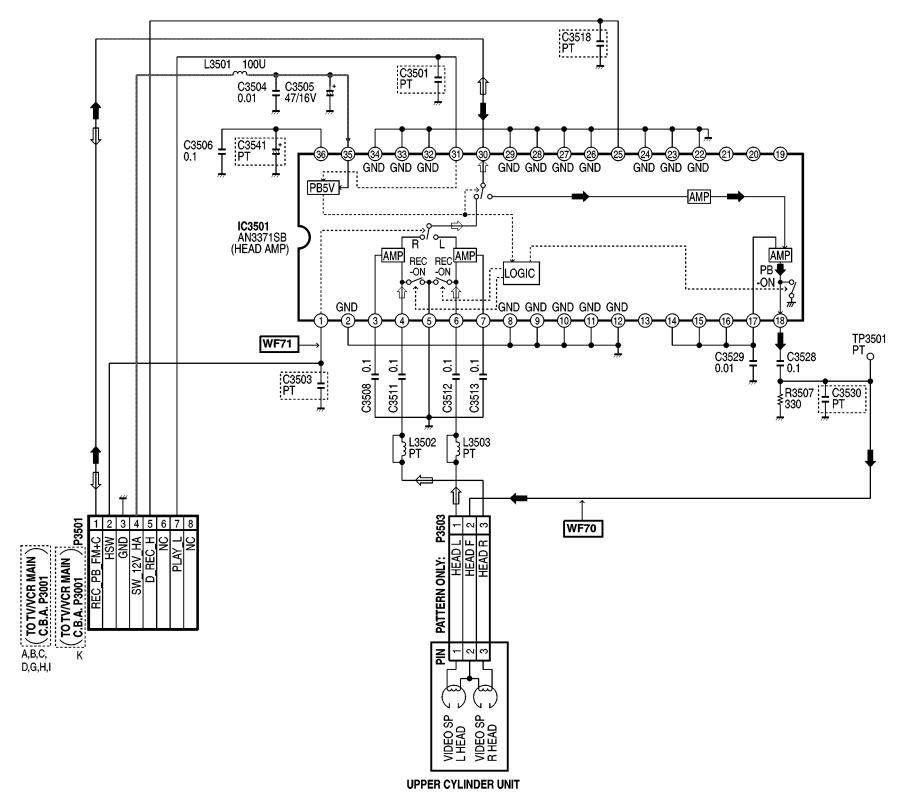
REC VIDEO SIGNAL

← PB VIDEO SIGNAL

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.





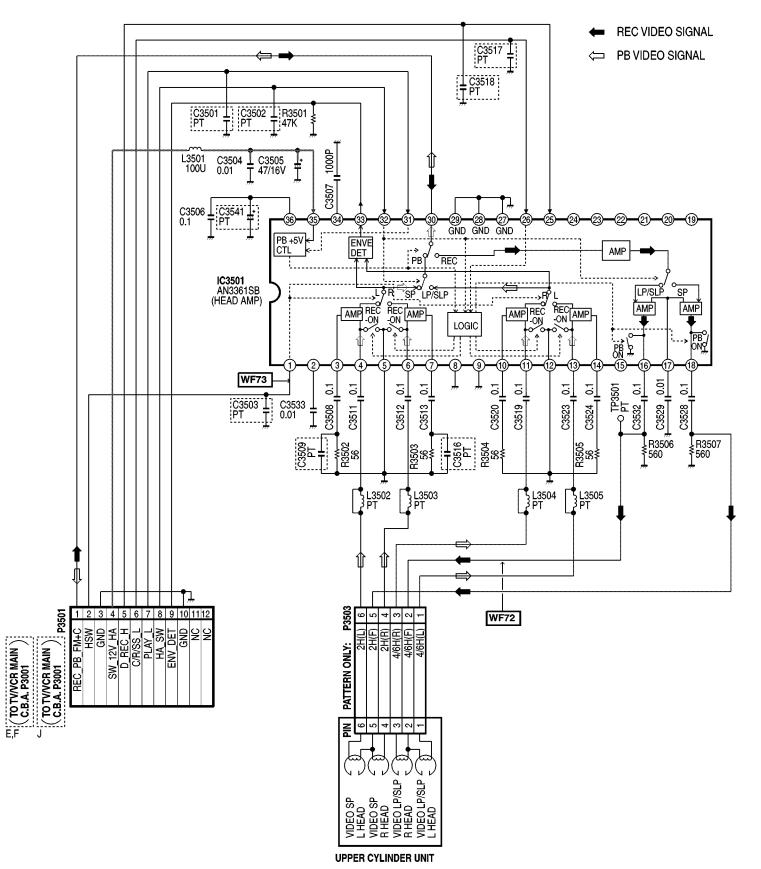
LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2008

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2523-K
HEAD AMP SCHEMATIC DIAGRAM

# 8.5. HEAD AMP SCHEMATIC DIAGRAM (Models: PV-C1343/PV-C1353W/PV-C2063)

### **HEAD AMP SCHEMATIC DIAGRAM (E, F, J)**



NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

| COMPARISON CHART<br>OF MODELS & MARKS |      |  |  |  |  |
|---------------------------------------|------|--|--|--|--|
| MODEL                                 | MARK |  |  |  |  |
| PV-C1323                              | Α    |  |  |  |  |
| PV-C1323-K                            | В    |  |  |  |  |
| PV-C1333W                             | c    |  |  |  |  |
| PV-C1333W-K                           | D    |  |  |  |  |
| PV-C1343                              | E    |  |  |  |  |
| PV-C1353W                             | F    |  |  |  |  |
| PV-C2023                              | G    |  |  |  |  |
| PV-C2023-K                            | н    |  |  |  |  |
| PV-C2033W                             | - 1  |  |  |  |  |
| PV-C2063                              | J    |  |  |  |  |
| PV-C2523-K                            | к    |  |  |  |  |
| Not Used                              | PT   |  |  |  |  |

LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2009 PV-C1343/PV-C1353W/PV-C2063 HEAD AMP SCHEMATIC DIAGRAM

# 8.6. CRT SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W)

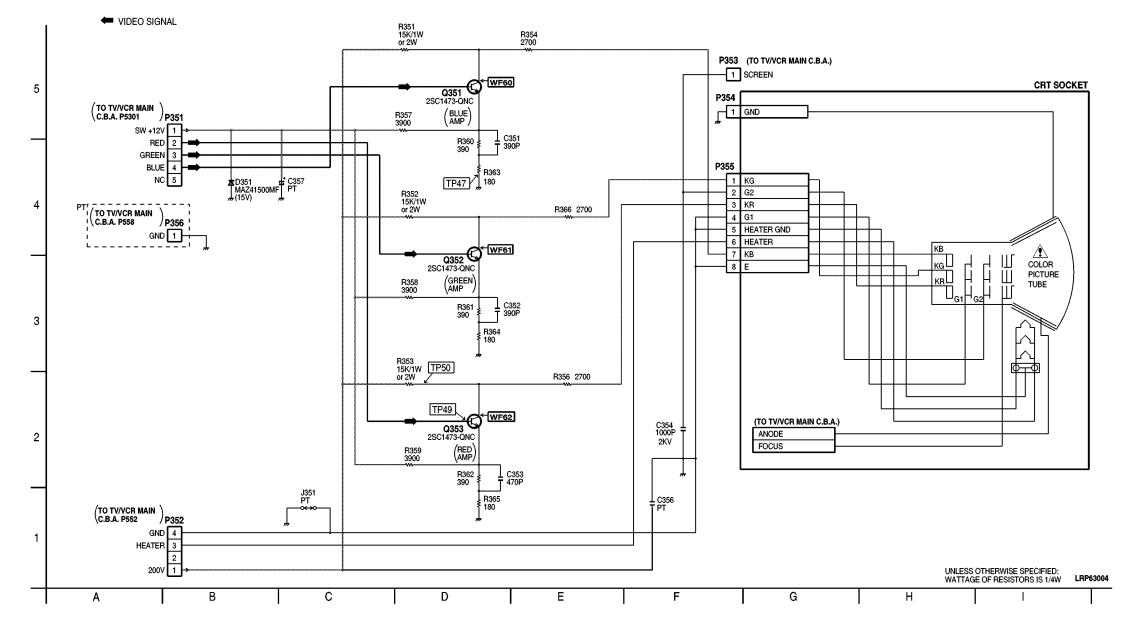
CRT SCHEMATIC DIAGRAM (A, B, C, D, E, F)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

IOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

| OF MODELS & MARKS |             |      |  |  |  |  |
|-------------------|-------------|------|--|--|--|--|
|                   | MODEL       | MARK |  |  |  |  |
|                   | PV-C1323    | Α    |  |  |  |  |
|                   | PV-C1323-K  | В    |  |  |  |  |
|                   | PV-C1333W   | c    |  |  |  |  |
|                   | PV-C1333W-K | D    |  |  |  |  |
|                   | PV-C1343    | E    |  |  |  |  |
|                   | PV-C1353W   | F    |  |  |  |  |
|                   | PV-C2023    | G    |  |  |  |  |
|                   | PV-C2023-K  | н    |  |  |  |  |
|                   | PV-C2033W   | 1    |  |  |  |  |
|                   | PV-C2063    | J    |  |  |  |  |
|                   | PV-C2523-K  | к    |  |  |  |  |
|                   | Not Used    | PT   |  |  |  |  |



LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W

CRT SCHEMATIC DIAGRAM

# 8.7. CRT SCHEMATIC DIAGRAM (Models: PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K)

CRT SCHEMATIC DIAGRAM (G, H, I, J, K)

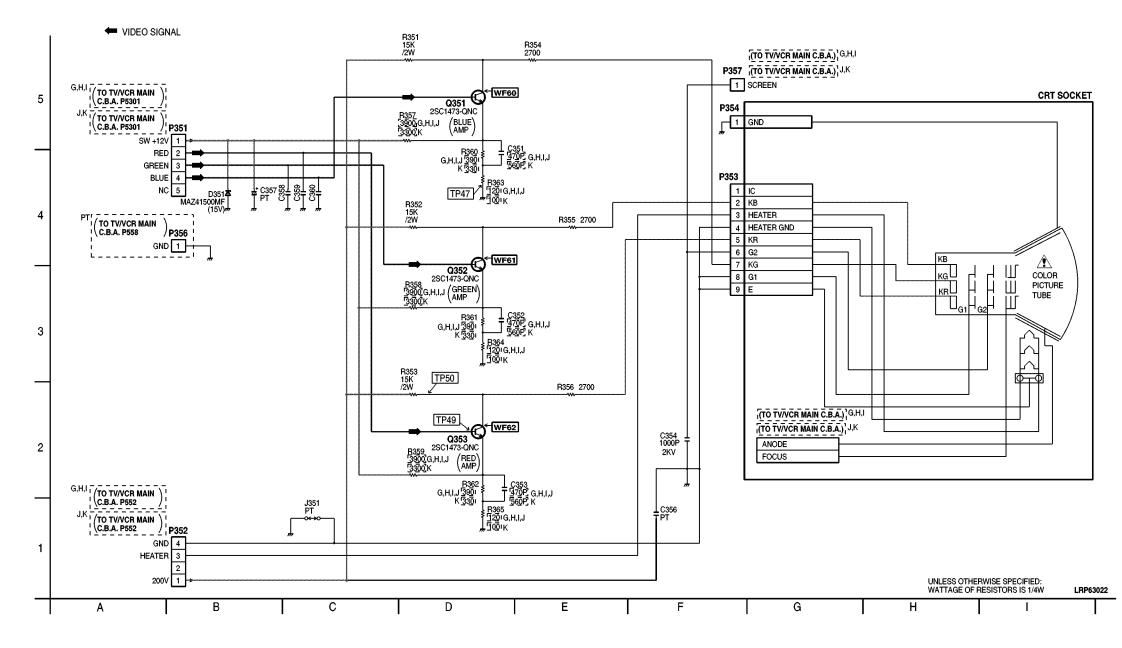
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

| COMPARISON CHART<br>OF MODELS & MARKS |      |  |  |  |  |
|---------------------------------------|------|--|--|--|--|
| MODEL                                 | MARK |  |  |  |  |
| PV-C1323                              | Α    |  |  |  |  |
| PV-C1323-K                            | В    |  |  |  |  |
| PV-C1333W                             | С    |  |  |  |  |
| PV-C1333W-K                           | D    |  |  |  |  |
| PV-C1343                              | E    |  |  |  |  |
| PV-C1353W                             | F    |  |  |  |  |
| PV-C2023                              | G    |  |  |  |  |
| PV-C2023-K                            | н    |  |  |  |  |
| PV-C2033W                             | 1    |  |  |  |  |
| PV-C2063                              | J    |  |  |  |  |
| PV-C2523-K                            | K    |  |  |  |  |
| Not Used                              | PT   |  |  |  |  |



LINKTO VOLTAGE CHART LINKTO SIGNAL WAVEFORM

PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K
CRT SCHEMATIC DIAGRAM

### 8.8. INTERCONNECTION SCHEMATIC DIAGRAM

#### INTERCONNECTION SCHEMATIC DIAGRAM

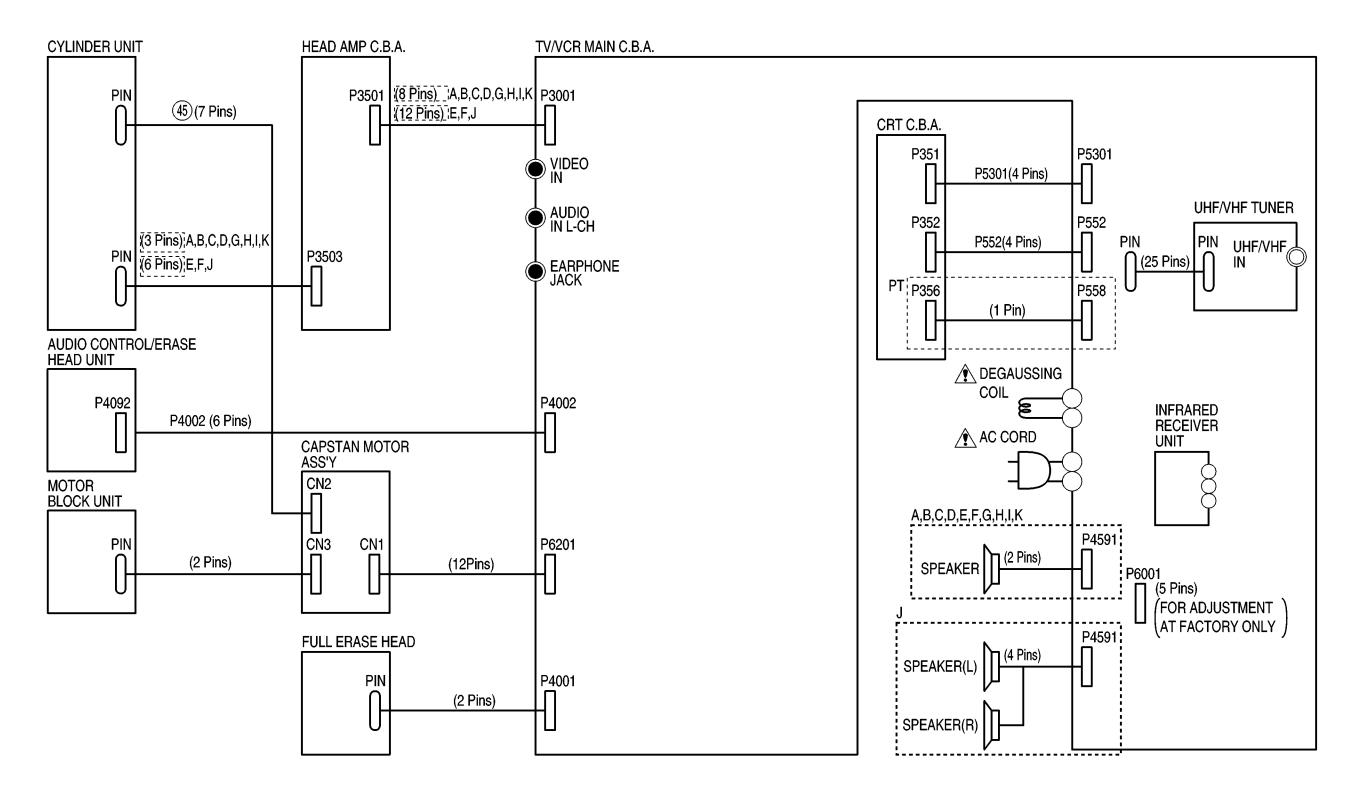
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART
OF MODELS & MARKS

MODEL MARK

PV-C1323 A
PV-C1323-K
B
PV-C1333W-K
D
PV-C1333W-K
D
PV-C1343 E
PV-C1343 F
PV-C2023 F
PV-C2023 G
PV-C2023-K
H
PV-C2063 J
PV-C2523-K
K
Not Used PT



### 8.9. VOLTAGE CHART

NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

# TV/VCR MAIN C.B.A. (POWER SUPPLY/VIDEO/AUDIO SECTION)

| TV/VC            | RMA   | IN C | .B.A <i>.</i> ( | POW      | ER S | UF        |
|------------------|-------|------|-----------------|----------|------|-----------|
| MODE<br>PIN NO.\ | STOP  |      | MODE<br>PIN NO. | STOP     |      | MI<br>PIN |
| IC451            |       | 1    | 16              | 3.1      |      |           |
| 1                | 11.4  | İ    | 17              | 2.3      |      |           |
| 2                | 4.0   | İ    | 18              |          |      |           |
| 3                | 5.7   | İ    | 19              | 2.6      |      |           |
| 4                | 5.8   | İ    | 20              | 3.1      |      |           |
| 5                | 0     | İ    | 21              | 5.0      |      |           |
| 6                | 5.4   | İ    | 22              | 2.0      |      |           |
| 7                | 5.8   | İ    | 23              | 2.6      |      |           |
| 8                | 23.8  | İ    | 24              | 2.3      |      |           |
| 9                | 1.4   | İ    | 25              | 2.0      |      | Т         |
| 10               | 1.6   | İ    | 26              | 2.5      |      |           |
| 11               | 0     |      | 27              | 2.0      |      |           |
| 12               | 12.6  |      | 28              | 0        |      |           |
| 13               | 24.2  | İ    | 29              | 1.9      |      |           |
| IC501            |       | İ    | 30              | 1.8      |      | IC:       |
| 1                | 0     | İ    | 31              | 2.0      |      | -         |
| 2                | 0     | İ    | 32              | 2.4      |      | Н         |
| 3                | ō     | l    | 33              | 2.0      |      | $\vdash$  |
| 4                | 12.0  | ł    | 34              | 2.8      |      | $\vdash$  |
| IC502            | 12.0  | l    | 35              | 2.0      |      | $\vdash$  |
| 1                | 0     | l    | 36              | 2.5      |      | $\vdash$  |
| 2                | 0.5   | ł    | 37              | 0.1      |      | Н         |
| 3                | 2.1   | ł    | 38              | 4.1      |      | $\vdash$  |
| 4                | 11.8  | ł    | 39              | 2.3      |      | IC        |
| IC801            | 11.0  | 1    | 40              | 3.5      |      | H         |
| 1                | 0     | ł    | 41              | 2.8      |      | $\vdash$  |
|                  | 131.8 | ł    | 42              |          |      | $\vdash$  |
| 3                | 170.3 | ł    | 43              | 0<br>3.4 |      | $\vdash$  |
| 4                | 130.3 | ł    | 44              | 2.6      |      | H         |
| 5                | 0     | ł    | 45              | 2.6      |      | $\vdash$  |
| IC1001           | 0     | ł    | 46              | 2.6      |      | $\vdash$  |
| 1                | 5.3   | ł    | 47              | 5.0      |      | $\vdash$  |
| 2                |       | ł    | 48              | 5.0      |      | $\vdash$  |
| 3                | 4.4   | 1    |                 | 0.1      |      | $\vdash$  |
| 4                | 0.7   | }    | 49              | 0.1      |      | <u> </u>  |
| <del></del>      | 2.0   | ł    | 50              |          |      | IC.       |
| IC1002           | 25    | }    | 51<br>52        | 5.0      | 1    | $\vdash$  |
| 1                | 2.5   | 1    |                 | 2.5      | 1    | $\vdash$  |
| 2                | 0     | 1    | 53<br>54        | 2.5      |      | $\vdash$  |
| 3<br>IC3001      | 4.1   | 1    | 54<br>55        | 1.8      |      | $\vdash$  |
|                  | E 0   | 1    |                 | 2.1      |      | $\vdash$  |
| 1                | 5.0   | 1    | 56<br>57        | 4.5      | 1    | $\vdash$  |
| 3                | 3.4   | ł    | 57              | 2.6      | l    | $\vdash$  |
|                  |       | ł    | 58              | 2.7      | 1    | $\vdash$  |
| 4                | 5.0   | 1    | 59              | 2.6      |      | $\vdash$  |
| 5                | 2.7   | }    | 60              | 2.6      |      | F         |
| 6                |       | 1    | 61              | 2.6      | l    | IC:       |
| 7                | 5.2   |      | 62              | 0        |      | $\vdash$  |
| 8                | 5.3   |      | 63              | 0        |      | $\vdash$  |
| 9                | 2.2   |      | 64              |          |      | $\vdash$  |
| 10               | 2.8   | -    | 65              | 2.6      |      | $\vdash$  |
| 11               | 0.4   | •    | 66              | 2.7      |      | $\vdash$  |
| 12               | 2.8   | 1    | 67              | 2.7      |      | $\vdash$  |
| 13               | 0     |      | 68              | 5.0      |      | $\vdash$  |
| 14               | 0.4   |      | 69              | 2.7      |      | $\vdash$  |
| 15               | 1.7   | ]    | 70              | 2.2      |      | $\Box$    |
|                  |       |      |                 |          |      |           |

| UPPL     | Y/VID | EO/AUDIO | SECI | 119 |
|----------|-------|----------|------|-----|
| MODE     | STOP  | MODE     | STOP |     |
| PIN NO.\ |       | PIN NO.\ |      |     |
| 71       | 2.6   | 10       | 4.0  |     |
| 72       | 2.6   | 11       | 5.2  |     |
| 73       | 2.6   | 12       | 2.4  |     |
| 74       | 0     | 13       | 4.2  |     |
| 75       | 0     | 14       | 6.2  |     |
| 76       | 3.2   | 15       | 4.4  |     |
| 77       | 0     | 16       | 0.7  |     |
| 78       | 2.2   | 17       | 0    |     |
| 79       | 3.0   | 18       | 0.3  |     |
| 80       | 2.2   | 19       | 2.1  |     |
| 81       | 2.6   | 20       | 0    |     |
| 82       | 2.8   | 21       | 3.6  |     |
| 83       | 2.6   | 22       | 3.4  |     |
| 84       | 3.8   | 23       | 3.6  |     |
| IC3201   |       | 24       | 9.1  |     |
| 1        | 2.8   | 25       | 3.8  |     |
| 2        | 5.0   | 26       | 9.0  |     |
| 3        | 0     | 27       | 0    |     |
| 4        | 2.9   | 28       | 0    |     |
| 5        | 3.0   | 29       | 0    |     |
| 6        | -2.6  | 30       | 5.8  |     |
| 7        | 2.2   | 31       | 6.2  |     |
| 8        | 2.9   | 32       | 3.6  |     |
| IC4501   |       | 33       | 6.6  |     |
| 1        |       | 34       | 8.1  |     |
| 2        | 0     | 35       | 5.2  |     |
| 3        | 6.4   | 36       | 4.3  |     |
| 4        | 0.4   | 37       | 9.7  |     |
| 5        | 1.9   | 38       | 9.0  |     |
| 6        | 5.9   | 39       | 2.1  |     |
| 7        | 5.9   | 40       | 2.8  |     |
| 8        | 0     | 41       | 2.4  |     |
| 9        | 6.0   | 42       | 0    |     |
| 10       | 12.6  | 43       | 5.2  |     |
| IC4511   | (J)   | 44       | 5.3  |     |
| 1        |       | 45       | 0.4  |     |
| 2        | 0     | 46       | 2.7  |     |
| 3        | 6.4   | 47       | 5.0  |     |
| 4        | 0.4   | 48       | 0.3  |     |
| 5        | 1.9   | IC9001   |      |     |
| 6        | 5.9   | 1        | (J)  |     |
| -        |       |          | 1 2  |     |
| 8        | 0     | 3        | 2.5  |     |
| 9        | 6.0   | 4        | 1.3  |     |
| 10       |       | 5        | 0.5  |     |
| IC5301   | 12.6  | 6        | 0.5  |     |
|          | 0.7   |          |      |     |
| 1        | 2.7   | 7        |      |     |
| 2        | 3.0   | 8        |      |     |
| 3        | 3.8   | 9        | 0.1  |     |
| 4        |       | 10       | 5.0  |     |
| 5        | 2.1   | 11       | 0.1  |     |
| 6        | 2.2   | 12       |      |     |
| 7        | 6.1   | 13       | 1.3  |     |
| 8        | 0.4   | 14       | 1.3  |     |
| 9        | 0     | 15       | 2.6  |     |
|          |       |          |      |     |

| ľ | )               |            |                 |            |
|---|-----------------|------------|-----------------|------------|
|   | MODE<br>PIN NO. | STOP       | MODE<br>PIN NO. | STOP       |
|   | 16              |            | В               | 11.4       |
|   | 17              | 0.5        | Q532            |            |
|   | 18              | 0.5        | E               | 0          |
|   | 19              | 5.0        | C               | 11.9       |
|   | 20              |            | В               | 0          |
|   | 21              | 4.2        | Q551            | ļ •        |
|   | 22              | 1.3        | E               | 0          |
|   | 23              | 1.3        | C               |            |
|   | 24              | 5.0        | В               | 0          |
|   | 25              | 0          | Q571            | <b>├</b> Ŭ |
|   | 26              |            | E               | 1.5        |
|   | 27              | 0.1        | C               | 10.7       |
|   | 28              | 0.1<br>0.5 | В               | 2.1        |
|   |                 |            | <b>-</b>        | 2.1        |
|   | 29              | 4.2        | Q581            | 100.0      |
|   | 30              | 4.2        | E               | 130.0      |
|   | 31              |            |                 | 0          |
|   | 32              | 2.6        | В               | 130.5      |
|   | IC9201          | (J)        | Q801            |            |
|   | 1               | 3.1        | E               | 0          |
|   | 2               | 3.8        | C               | 12.0       |
|   | 3               | 5.2        | В               | 8.0        |
|   | 4               | 4.4        | Q1001           |            |
|   | 5               | 0          | E               | 0          |
|   | 6               | 5.2        | С               | 176.3      |
|   | 7               | 4.5        | В               | 0.3        |
|   | 8               | 2.8        | Q1002           |            |
|   | 9               | 2.8        | E               | 0          |
|   | IC9301          | (J)        | С               | 0.3        |
|   | 1               | 0          | В               | 0.7        |
|   | 2               | 0          | Q1051           |            |
|   | 3               | 0          | E               | 12.0       |
|   | 4               | 0          | С               | 14.0       |
|   | 5               | 0          | В               | 11.3       |
|   | 6               | 0          | Q1052           |            |
|   | 7               | -5.7       | E               | 0          |
|   | 8               | 0          | С               | 11.3       |
|   | 9               | 0          | В               | 0.6        |
|   | 10              | 0          | Q1053           |            |
|   | 11              | 0          | E               | 5.0        |
|   | 12              | 0          | С               | 5.0        |
|   | 13              | 0          | В               | 6.0        |
|   | 14              | 0          | Q1070           |            |
|   | 15              | 0          | E               | 11.9       |
|   | 16              | 5.2        | С               | 11.9       |
|   | Q431            |            | В               | 11.3       |
|   | Е               | 3.3        | Q1071           |            |
|   | С               | 0          | E               | -28.8      |
|   | В               | 2.7        | C               | -28.6      |
|   | Q501            |            | В               | -28.1      |
|   | E               | 0          | Q3001           |            |
|   | C               | 76.0       | E               | 1.7        |
|   | В               | 0.5        | C               | 0          |
|   | Q531            | 0.0        | В               | 1.0        |
|   | E               | 11.6       | Q3002           | 1.0        |
|   |                 | 11.0       | <u> </u>        | 10         |

C 0

E 1.8

|              | _ |          |          |     |                  |            |
|--------------|---|----------|----------|-----|------------------|------------|
| STOP         |   | MODE     | STOP     |     | <u>MODE</u>      | STOP       |
|              |   | PIN NO.\ |          |     | PIN NO.\         |            |
| 11.4         |   | С        | 5.0      |     | TP501            | 130.6      |
|              |   | В        | 2.5      |     | TP502            | 0          |
| 0            |   | Q3301    |          |     | TP551            | -5.2       |
| 11.9         |   | E        | 0        |     | TP552            | -5.9       |
| 0            |   | С        | 4.3      |     | TP553            | 5.3        |
|              |   | В        | -0.3     |     | TP554            | 19.5       |
| 0            |   | Q4001    |          |     | TP556            | 200.0      |
|              |   | E        | 5.0      |     | TP558            | 24.2       |
| 0            |   | С        | 5.1      |     | TP559            | 16.0       |
|              |   | В        | 4.5      |     | TP806            | 120.0      |
| 1.5          |   | Q4002    |          |     | TP807            | 120.0      |
| 10.7         |   | E        | 0        |     | TP808            | 3.5        |
| 2.1          |   | С        | 0        |     | TP809            | 0          |
|              |   | В        | 8.0      |     | TP810            | 12.0       |
| 130.0        | L | Q4003    |          |     | TP891            | 130.0      |
| 0            |   | E        | 0        |     | TP892            | 120.0      |
| 130.5        |   | С        | 0        |     | TP893            | 0          |
|              |   | В        | 8.0      |     | TP1001           |            |
| 0            |   | Q4101    |          |     | TP1002           |            |
| 12.0         |   | E        | 0        |     | TP1003           |            |
| 0.8          |   | С        | 0.2      |     | TP1005           |            |
|              |   | В        | 0.2      |     | TP1009           |            |
| 0            |   | Q4171    |          |     | TP1050           | 5.0        |
| 176.3        |   | E        | 0.1      |     | TP1058           |            |
| 0.3          |   | <u>c</u> | 0        |     | TP3001           |            |
|              |   | В        | 0.1      |     | TP3002           | 2.5        |
| 0            |   | Q5301    |          |     | TP3003           |            |
| 0.3          |   | E        | 3.2      |     | TP3004           |            |
| 0.7          | - | <u>c</u> | 9.1      |     | TP3005           | 0.1        |
| 10.0         |   | B        | 3.8      |     | TP3006           |            |
| 12.0         |   | Q5901    | 0.1      |     | TP3007           | 2.4        |
| 14.0<br>11.3 |   | E        | 9.1      |     | TP3008           | 2.4        |
| 11.3         |   | C<br>B   | 12.0     |     | TP3009           |            |
| 0            |   | Q9001    | 9.7      |     | TP3010           |            |
| 0<br>11.3    | - | E        | (J)<br>0 |     | TP3011<br>TP3212 | 2.7<br>3.0 |
| 0.6          |   | C        | 5.2      | 1   | TP4002           |            |
| 0.0          |   | В        | 0        | 1   | TP4003           |            |
| 5.0          |   | Q9002    | (J)      | 1   | TP4501           | 0          |
| 5.0          |   | E        | 0.2      |     | TP4505           | -0.7       |
| 6.0          |   | c        | 0        |     | TP4507           | 16.0       |
| J,K)         |   | В        | 0        |     | TP4591           | -0.7       |
| 11.9         |   | Q9201    | (J)      |     | TP4706           |            |
| 11.9         |   | E        | 0        |     | TP5301           |            |
| 11.3         |   | c        | 2.8      |     | TP5302           | 3.5        |
| J,K)         |   | В        | 8.7      |     | TP5303           | 3.5        |
| -28.8        |   | Q9202    | (J)      | i i | TP5304           |            |
| -28.6        |   | E        | 0        |     | TP5305           | 3.2        |
| -28.1        |   | c        | 2.8      |     | TP5307           | 0          |
|              |   | В        | 8.7      |     | TP5308           |            |
| 1.7          |   |          |          |     | TP5309           | 1.7        |
| 0            |   |          |          |     | TP5310           |            |
| 1.0          |   |          |          |     | TP5311           |            |
|              |   |          |          |     | TP5401           |            |
| 1.8          |   |          |          | [ ] | TP5402           |            |

|                           | A=4-  | 1 ' | \a==                    | A==== |
|---------------------------|-------|-----|-------------------------|-------|
| \ <u>MODE</u><br>PIN NO.\ | STOP  |     | <u>Mode</u><br>Pin No.\ | STOP  |
|                           | 130.6 |     | TP5501                  | 0.7   |
| TP502                     | 0     | -   | TP5502                  |       |
|                           | -5.2  |     |                         | 2.1   |
| TP551                     |       |     | TP5503                  |       |
| TP552                     | -5.9  |     | TP5504                  | -0.1  |
| TP553                     | 5.3   |     | TP5505                  |       |
| TP554                     | 19.5  |     | TP5506                  | 5.3   |
| TP556                     | 200.0 |     |                         |       |
| TP558                     | 24.2  |     |                         |       |
| TP559                     | 16.0  |     |                         |       |
| TP806                     | 120.0 |     |                         |       |
| TP807                     | 120.0 |     |                         |       |
| TP808                     | 3.5   |     |                         |       |
| TP809                     | 0     | 1   |                         |       |
| TP810                     |       | 1   |                         |       |
| TP891                     |       | 1   |                         |       |
| TP892                     | 120.0 | 1   |                         |       |
| TP893                     | 0     | -   |                         |       |
| TP1001                    | 0     |     |                         |       |
|                           |       |     |                         |       |
| TP1002<br>TP1003          |       |     |                         |       |
|                           |       |     |                         |       |
| TP1005                    |       |     |                         |       |
| TP1009                    |       |     |                         |       |
| TP1050                    |       |     |                         |       |
| TP1058                    |       |     |                         |       |
| TP3001                    | 1.7   |     |                         |       |
| TP3002                    |       |     |                         |       |
| TP3003                    | 3.4   |     |                         |       |
| TP3004                    | 2.0   |     |                         |       |
| TP3005                    | 0.1   |     |                         |       |
| TP3006                    | 2.5   |     |                         |       |
| TP3007                    | 2.4   |     |                         |       |
| TP3008                    | 2.4   |     |                         |       |
| TP3009                    | 0     |     |                         |       |
| TP3010                    | 3.0   |     |                         |       |
| TP3011                    | 2.7   |     |                         |       |
| TP3212                    | 3.0   |     |                         |       |
| TP4002                    | 0     |     |                         |       |
| TP4003                    | 0     |     |                         |       |
| TP4501                    | 0     |     |                         |       |
| TP4505                    | _     |     |                         |       |
|                           | 400   |     |                         |       |
| TP4507                    | 16.0  |     |                         |       |
| TP4591                    | -0.7  |     |                         |       |
| TP4706                    | 0     |     |                         |       |
| TP5301                    | 3.5   |     |                         |       |
| TP5302                    | 3.5   |     |                         |       |
| TP5303                    | 3.5   |     |                         |       |
| TP5304                    | 12.0  |     |                         |       |
| TP5305                    | 3.2   |     |                         |       |
| TP5307                    | 0     |     |                         |       |
| TP5308                    | 1.5   |     |                         |       |
| TP5309                    | 1.7   |     |                         |       |
| TP5310                    | 5.7   |     |                         |       |
|                           |       |     |                         |       |

| OF MODELS & MARKS |      |  |  |  |  |  |
|-------------------|------|--|--|--|--|--|
| MODEL             | MARK |  |  |  |  |  |
| PV-C1323          | Α    |  |  |  |  |  |
| PV-C1323-K        | В    |  |  |  |  |  |
| PV-C1333W         | С    |  |  |  |  |  |
| PV-C1333W-K       | D    |  |  |  |  |  |
| PV-C1343          | E    |  |  |  |  |  |
| PV-C1353W         | F    |  |  |  |  |  |
| PV-C2023          | G    |  |  |  |  |  |
| PV-C2023-K        | Н    |  |  |  |  |  |
| PV-C2033W         | 1    |  |  |  |  |  |
| PV-C2063          | J    |  |  |  |  |  |
| PV-C2523-K        | К    |  |  |  |  |  |

COMPARISON CHART

VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

TP5402 2.8

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

### TV/VCR MAIN C.B.A. (SYSTEM CONTROL/SERVO SECTION)

| I V/VC          | K MA | AIN C. | B.A. | (515            | י ואום ו | CONT |
|-----------------|------|--------|------|-----------------|----------|------|
| MODE<br>PIN NO. | REC  | PLAY   |      | MODE<br>PIN NO. | REC      | PLAY |
| IC6001          |      |        |      | 55              | 3.4      | 0.6  |
| 1               | 5.3  | 5.0    |      | 56              | 3.7      | 0.5  |
| 2               | 5.2  | 5.2    |      | 57              | 4.9      | 4.8  |
| 3               |      |        |      | 58              | 5.1      | 0    |
| 4               |      |        |      | 59              | 0        | 0    |
| 5               | 5.2  | 5.2    |      | 60              | 2.6      | 2.5  |
| 6               | 0.1  | 5.2    |      | 61              | 0        | 0    |
| 7               | 0.1  | 0      |      | 62              | 0        | 0    |
| 8               | 0.3  | 5.2    |      | 63              | 0        | 0    |
| 9               | 1.5  | 1.3    |      | 64              | 0.2      | 0.1  |
| 10              | 5.2  | 5.2    |      | 65              | 1.4      | 1.4  |
| 11              | 0.1  | 0      |      | 66              | 4.8      | 4.8  |
| 12              | 0.1  | 0.1    |      | 67              | 2.4      | 2.4  |
| 13              | 0.1  | 0.1    |      | 68              | 3.7      | 0.4  |
| 14              | 5.1  | 5.1    |      | 69              | 2.6      | 2.6  |
| 15              |      | 0.1    |      | 70              | 2.6      | 2.6  |
|                 | 0.3  | 5.1    |      | 71              |          |      |
| 16<br>17        | 5.1  |        |      |                 | 0        | 2.6  |
|                 | 5.3  | 5.3    |      | 72              | 2.6      |      |
| 18              | 5.2  | 5.2    |      | 73              | 5.2      | 5.2  |
| 19              | 0.5  | 1.6    |      | 74              | 3.0      |      |
| 20              | 0.3  | 0      |      | 75<br>70        | 2.2      | 0.2  |
| 21              | 5.1  | 5.1    |      | 76              | 2.6      | 2.6  |
| 22              | 0.1  | 0.3    |      | 77              | 0.2      | 0.2  |
| 23              | 2.6  | 2.6    |      | 78              | 2.4      | 2.4  |
| 24              | 0.1  | 0      |      | 79              | 0.2      | 0    |
| 25              | 5.1  | 5.1    |      | 80              | 4.9      | 0.7  |
| 26              | 0.5  | 2.6    |      | 81              | 4.9      | 4.5  |
| 27              | 0    | 2.6    |      | 82              | 3.4      | 2.8  |
| 28              | 0.1  | 0.1    |      | 83              | 5.1      | 5.0  |
| 29              | 5.2  | 0      |      | 84              | 2.0      | 0.2  |
| 30              | 0.6  | 0.6    |      | 85              | 0.1      | 0.1  |
| 31              | 0    | 0      |      | 86              | 5.2      | 0.3  |
| 32              | 1.9  | 1.9    |      | 87              | 5.2      | 5.2  |
| 33              | 2.7  | 2.7    |      | 88              | 5.2      | 0.7  |
| 34              | 2.6  | 2.6    |      | 89              | 5.2      | 0.7  |
| 35              | 2.0  | 2.4    |      | 90              | 0.7      | 0.6  |
| 36              | 5.0  | 5.0    |      | 91              | 5.2      | 5.2  |
| 37              | 2.4  | 2.4    |      | 92              | 0.7      | 0.4  |
| 38              | 2.5  | 2.3    |      | 93              | 4.9      | 5.0  |
| 39              | 0    | 0      |      | 94              | 5.1      | 0.3  |
| 40              | 0.3  | 0.3    |      | 95              | 0        | 0    |
| 41              | 0.1  | 0.1    |      | 96              | 5.0      | 4.9  |
| 42              | 1.0  | 0      |      | 97              | 0        | 0    |
| 43              | 1.4  | 1.4    |      | 98              | 2.6      | 2.6  |
| 44              | 4.8  | 4.8    |      | 99              | 0.6      | 0.5  |
| 45              | 3.9  | 3.9    |      | 100             | 0.1      | 0.2  |
| 46              | 4.3  | 4.2    |      | IC6002          |          |      |
| 47              | 1.8  | 2.1    |      | 1               | 1.2      | 1.2  |
| 48              | 0    | 1.9    |      | 2               | 0        | 0    |
| 49              | 2.0  | 2.1    |      | 3               | 0        | 0    |
| 50              | 0.3  | 2.7    |      | 4               |          |      |
| 51              | 5.0  | 5.0    |      | IC6003          |          |      |
| 52              | 2.6  | 2.6    |      | 1               | 2.4      | 2.4  |
| 53              | 2.6  | 2.6    |      | 2               | 1.2      |      |
| 54              | 0    | 0      |      | 3               | 0        | 0    |
|                 |      |        | •    |                 |          |      |

| 5.1  0 0 0 5.3 5.2 0 5.0  5.0  5.0 0 11.7 0 12.1 0 0 0.2                             |                      |
|--|----------------------|
| 0<br>0<br>0<br>5.3<br>5.2<br>0<br>5.0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>11.7      |                      |
| 0<br>0<br>0<br>5.3<br>5.2<br>0<br>5.0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>11.7      |                      |
| 0<br>0<br>0<br>5.3<br>5.2<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>11.7 |                      |
| 0<br>0<br>0<br>5.3<br>5.2<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>11.7 |                      |
| 0<br>0<br>5.3<br>5.2<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>5.0<br>0<br>11.7      |                      |
| 5.3<br>5.2<br>0<br>5.0<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>3<br>11.7                |                      |
| 5.3<br>5.2<br>0<br>5.0<br>5.2<br>5.0<br>0<br>5.0<br>0<br>5.0<br>0<br>11.7            |                      |
| 5.2<br>5.0<br>5.0<br>0<br>5.0<br>0<br>5.0<br>0<br>0.3<br>11.7                        |                      |
| 5.2<br>5.0<br>0<br>0<br>5.0<br>0<br>0<br>3<br>11.7                                   |                      |
| 5.0<br>5.2<br>5.0<br>0<br>0<br>5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1<br>0         |                      |
| 5.2<br>5.0<br>0<br>5.0<br>0<br><br>0.3<br>11.7                                       |                      |
| 5.0<br>0<br>5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1                                 |                      |
| 5.0<br>0<br>5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1                                 |                      |
| 0<br>0<br>5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1<br>0                              |                      |
| 0<br>5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1<br>0                                   |                      |
| 5.0<br>0<br><br>0.3<br>11.7<br>0<br>12.1<br>0  |                      |
| 0<br><br>0.3<br>11.7<br>0<br>12.1<br>0   |                      |
| 0<br><br>0.3<br>11.7<br>0<br>12.1<br>0   |                      |
| 11.7<br>0<br>12.1<br>0   |                      |
| 0<br>12.1<br>0   |                      |
| 12.1<br>0<br>0   |                      |
| 12.1<br>0<br>0   |                      |
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|  | 5.2<br>0<br>0<br>5.2 |

| MODE             | REC        | PLAY       |
|------------------|------------|------------|
| PIN NO.          |            | ''-''      |
| TP6007           | 5.2        | 5.2        |
| TP6008           | 0          | 0          |
| TP6009           |            | 5.0        |
| TP6013           |            | 2.6        |
| TP6021           | 0          | 0          |
| TP6022           |            | 5.1        |
| TP6023           |            | 0          |
| TP6099           |            |            |
| TP6101           | 5.1<br>5.2 | 5.1<br>5.2 |
| TP6103           | 5.1        | 5.1        |
| TP6104           |            |            |
| TP6105           | 5.3<br>0.1 | 5.2<br>0   |
| TP6106           |            | 5.0        |
|                  | 0          | 0          |
| TP6107<br>TP6108 | 3.9        | 3.9        |
| -                |            |            |
| TP6109           | 5.1        | 5.1        |
| TP6111           |            | 0 7        |
| TP6201<br>TP6202 | 2.7        | 2.7        |
|                  | 2.6        | 2.6        |
| TP6203           | 2.4<br>1.4 | 2.4        |
| TP6204           |            | 1.4        |
| TP6205           | 2.6        | 2.9        |
| TP6206           | 3.0        | 2.6        |
| TP6207           | 2.6        | 2.6        |
| TP6208           | 2.7        | 2.7        |
| TP6209           |            | 2.7        |
| TP6401           | 0          | 0.1        |
|                  |            |            |
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VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

| HEAD     | AMP      |   | HEAD     | AMP      |   |         |        |          |          |        |
|----------|----------|---|----------|----------|---|---------|--------|----------|----------|--------|
| C.B.A.   |          |   | C.B.A    |          |   | CRT (   | С.В.А. |          | CRT C    | C.B.A. |
|          |          |   | (E,F,J   |          |   | (A,B,C  |        |          | (G,H,I   |        |
| /MODE    | STOP     |   | MODE     | STOP     | ] | MODE    | STOP   | ]        | MODE     | STOP   |
| PIN NO.  |          |   | PIN NO.  |          |   | PIN NO. |        |          | PIN NO.  |        |
| IC3501   |          |   | IC3501   |          | 1 | Q351    |        | 1        | Q351     |        |
| 1        | 0        |   | 1        | 0        | 1 | Е       | 3.1    | Ī        | Е        | 3.1    |
| 2        | 0        |   | 2        | 0        | 1 | С       | 131.1  | Ī        | С        | 131.1  |
| 3        | 0.5      |   | 3        | 0.5      | 1 | В       | 3.5    | Ī        | В        | 3.5    |
| 4        | 0        |   | 4        | 0        |   | Q352    |        |          | Q352     |        |
| 5        | 0        |   | 5        | 0        |   | E       | 3.1    |          | E        | 3.1    |
| 6        | 0        |   | 6        | 0        |   | С       | 127.9  | [        | С        | 127.9  |
| 7        | 0.5      |   | 7        | 0.5      |   | В       | 3.5    |          | В        | 3.5    |
| 8        | 0        |   | 8        | 0        |   | Q353    |        |          | Q353     |        |
| 9        | 0        |   | 9        | 0        |   | E       | 3.0    |          | E        | 3.0    |
| 10       | 0        |   | 10       | 0.5      |   | С       | 131.9  | ļ        | С        | 131.9  |
| 11       | 0        |   | 11       | 0        |   | В       | 3.5    |          | В        | 3.5    |
| 12       | 0        |   | 12       | 0        |   |         | _      | ļ        |          |        |
| 13       |          |   | 13       | 0.1      |   | TP47    | 0      |          | TP47     | 0      |
| 14       | 2.4      |   | 14       | 0.1      |   | TP49    | 3.5    |          | TP49     | 3.5    |
| 15       | 2.4      |   | 15       |          | - | TP50    | 131.9  |          | TP50     | 131.9  |
| 16       | 2.4      |   | 16       | 2.4      | - |         |        | ŀ        |          |        |
| 17<br>18 | 2.4<br>0 |   | 17<br>18 | 2.4<br>0 | 1 |         |        | }        |          |        |
| 19       |          |   | 19       |          | 1 |         |        | ŀ        |          |        |
| 20       |          |   | 20       |          | 1 |         |        | l        |          |        |
| 21       |          |   | 21       |          | ł |         |        |          |          |        |
| 22       | 0        |   | 22       |          | ł |         |        | ł        |          |        |
| 23       | 0        |   | 23       |          | ł |         |        | ł        |          |        |
| 24       | 0        |   | 24       |          | ł |         |        | ł        |          |        |
| 25       | 0.2      |   | 25       | 0.2      | i |         |        | İ        |          |        |
| 26       | 0        |   | 26       | 5.1      | i |         |        | İ        |          |        |
| 27       | 0        |   | 27       | 0        | 1 |         |        | •        |          |        |
| 28       | 0        |   | 28       | 0        | 1 |         |        | 1        |          |        |
| 29       | 0        |   | 29       | 0        | 1 |         |        | 1        |          |        |
| 30       | 2.5      |   | 30       | 2.5      | 1 |         |        | 1        |          |        |
| 31       | 5.2      |   | 31       | 5.2      | 1 |         |        | Ī        |          |        |
| 32       | 0        |   | 32       | 4.9      |   |         |        |          |          |        |
| 33       | 0        |   | 33       | 0.2      |   |         |        | [        |          |        |
| 34       | 0        |   | 34       | 0.1      |   |         |        | <u> </u> |          |        |
| 35       | 11.9     |   | 35       | 11.9     |   |         |        | ļ        |          |        |
| 36       | 0.1      |   | 36       | 0.1      |   |         |        | ļ        |          |        |
|          |          |   |          |          |   |         |        | ļ        |          |        |
| TP3501   | 0        |   | TP3501   | 0        |   |         |        |          |          |        |
|          |          |   |          |          | ł |         |        |          |          |        |
|          |          |   |          |          | 1 |         |        |          |          |        |
|          |          |   |          |          | 1 |         |        | }        |          |        |
|          |          |   |          |          | 1 |         |        | }        |          |        |
|          |          |   |          |          | 1 |         |        | ł        |          |        |
|          |          |   |          |          |   |         |        | ł        |          |        |
|          |          |   |          |          | 1 |         |        | ł        |          |        |
|          |          |   |          |          | 1 |         |        | t        | <b>—</b> |        |
|          |          |   |          |          | 1 |         |        | İ        |          |        |
|          |          |   |          |          | 1 |         |        | İ        |          |        |
|          |          | İ |          |          | 1 |         |        | İ        |          |        |
|          |          |   |          |          | 1 |         |        | İ        |          |        |
|          |          |   |          |          | 1 |         |        | 1        |          |        |
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|          |          | Ī |          |          | 1 |         |        | I        |          |        |

#### NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

#### COMPARISON CHART OF MODELS & MARKS

| OI MODELS & | MAINS |
|-------------|-------|
| MODEL       | MARK  |
| PV-C1323    | Α     |
| PV-C1323-K  | В     |
| PV-C1333W   | С     |
| PV-C1333W-K | D     |
| PV-C1343    | E     |
| PV-C1353W   | F     |
| PV-C2023    | G     |
| PV-C2023-K  | Н     |
| PV-C2033W   | - 1   |
| PV-C2063    | J     |
| PV-C2523-K  | к     |

VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

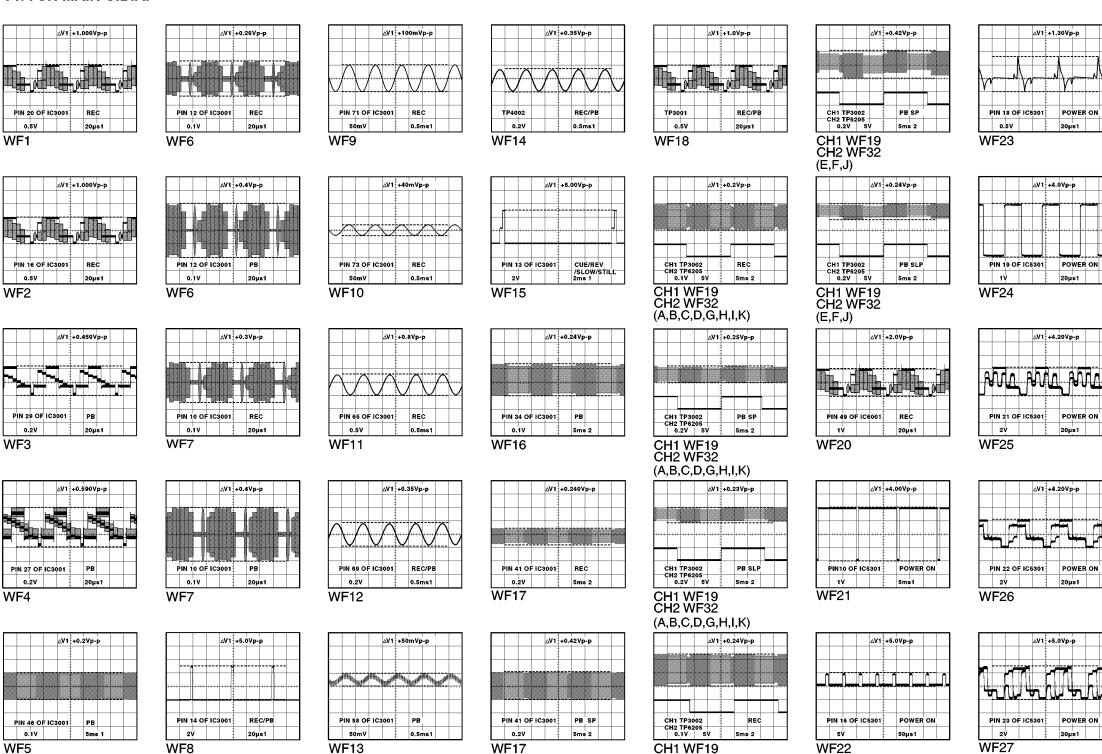
PV-C1323

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

#### COMPARISON CHART OF MODELS & MARKS

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
| PV-C2523-K  | к    |

#### TV/VCR MAIN C.B.A.

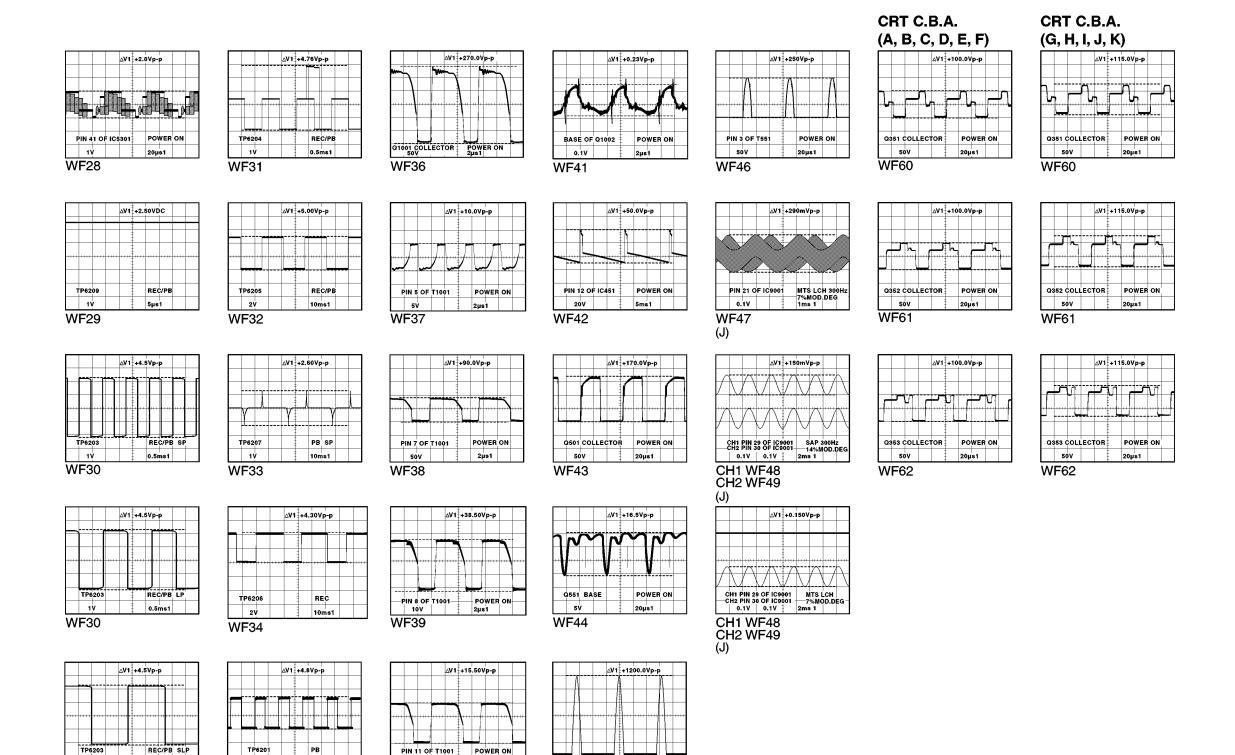


SIGNAL WAVEFORMS
PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343
/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

CH2 WF32

(E,F,J)

# NOTE: FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.



Q551 COLLECTOR POWER ON 200V 20us1

WF45

2µs1

WF40

2V

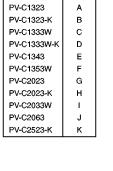
WF35

10µs1

0.5ms1

17

WF30



COMPARISON CHART OF MODELS & MARKS

MODEL MARK

# HEAD AMP C.B.A. (A, B, C, D, G, H, I, K)

|                                       |                |     | ∆V1 | +4.8 | 0Vp  | P    |   |  |
|---------------------------------------|----------------|-----|-----|------|------|------|---|--|
|                                       |                |     |     |      |      |      |   |  |
|                                       |                |     |     |      |      |      |   |  |
| <b></b>                               |                | 22. |     |      |      |      |   |  |
| · · · · · · · · · · · · · · · · · · · | <br>           | ''' | "   |      | **** |      |   |  |
|                                       |                |     |     |      |      |      |   |  |
| CH1                                   | TP350<br>PIN 1 | 1   | IC2 | 01   | RE   | C SL | P |  |
| 2                                     | v              |     | 103 |      | 5ms  | 2    |   |  |

CH1 WF70 CH2 WF71

# HEAD AMP C.B.A. (E, F, J)

| ١. | -, -      |     |     |     |      |     |      |    |      |
|----|-----------|-----|-----|-----|------|-----|------|----|------|
|    |           |     |     | ∆V1 | +4.0 | 0Vp | -p   |    |      |
|    |           |     |     |     |      |     |      |    |      |
|    |           |     |     |     |      |     |      |    |      |
|    |           |     |     |     |      |     |      |    |      |
|    |           |     |     |     |      |     |      |    |      |
|    | · · · · · |     |     |     |      |     |      |    | **** |
|    |           | П   |     |     |      |     |      |    |      |
| -  | CH1       | TP3 | 501 | ICS | E01  | RE  | c sı | .Р |      |
|    | 27        |     | 57  | 103 | 301  | 5m  | s 2  |    |      |

CH1 WF72 CH2 WF73 PV-C1323

NOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART

| OF MODELS & MARKS |      |  |  |  |  |
|-------------------|------|--|--|--|--|
| MODEL             | MARK |  |  |  |  |
| PV-C1323          | A    |  |  |  |  |
| PV-C1323-K        | В    |  |  |  |  |
| PV-C1333W         | c    |  |  |  |  |
| PV-C1333W-K       | D    |  |  |  |  |
| PV-C1343          | E    |  |  |  |  |
| PV-C1353W         | F    |  |  |  |  |
| PV-C2023          | G    |  |  |  |  |
| PV-C2023-K        | н    |  |  |  |  |
| PV-C2033W         |      |  |  |  |  |
| PV-C2063          | J    |  |  |  |  |
| PV-C2523-K        | к    |  |  |  |  |

SIGNAL WAVEFORMS
PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343
/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K



COMPARISON CHART OF MODELS & MARKS

PV-C1323 PV-C1323-K

PV-C1333W

PV-C2023

PV-C2023-K PV-C2033W PV-C2063

PV-C2523-K

PV-C1333W-K PV-C1343 PV-C1353W

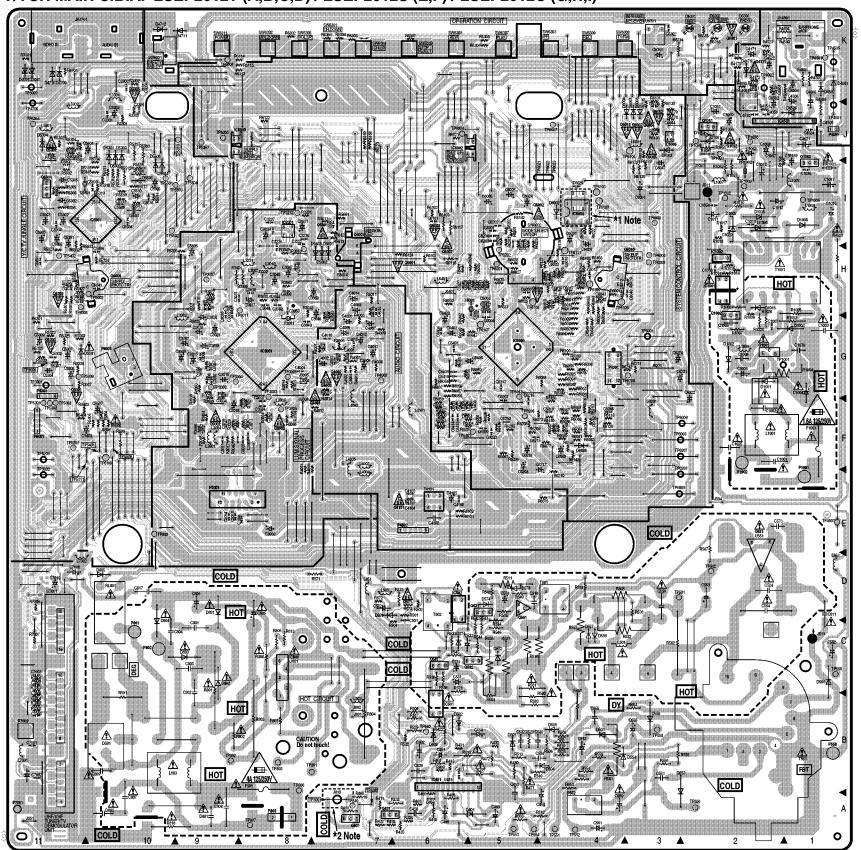
MODEL MARK

# 9 CIRCUIT BOARD LAYOUT

# 9.1. TV/VCR MAIN C.B.A. (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W)

# TV/VCR MAIN C.B.A. LSEP2012T (A,B,C,D) / LSEP2012S (E,F) / LSEP2012C (G,H,I)

HOT CIRCUIT, BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 4A 125/250V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'T INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME
TYPE 1.6A 125/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

#### \*1 Note

There are 2 types of EEPROM IC (IC6004) used on the TV/VCR Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability.



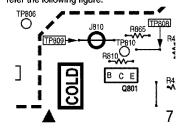
OR



Be sure to install DIP type IC from the component side as shown in Fig. 1.
Be sure to intall SOP type IC from the foil side as shown in Fig. 2.

#### \*2 Note

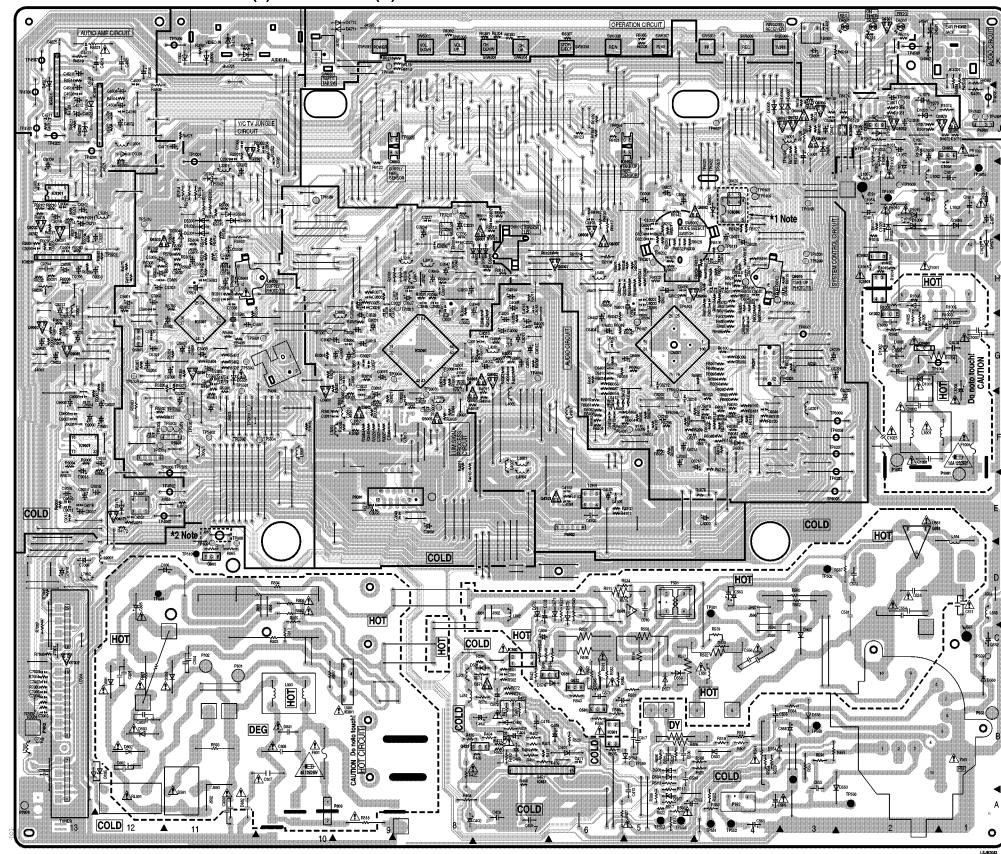
When the TV/VCR MAIN CBA is replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN CBA must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit. As for the location of the Jumper wire, please refer the following figure.



TV/VCR MAIN C.B.A. LSEP2012T/LSEP2012S/LSEP2012C PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W

# 9.2. TV/VCR MAIN C.B.A. (Models: PV-C2063/PV-C2523-K)

# TV/VCR MAIN C.B.A. LSEP2083A (J) / LSEP2083D (K)



NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

| OF MODELS & MARKS |      |  |  |  |
|-------------------|------|--|--|--|
| MODEL             | MARK |  |  |  |
| PV-C1323          | Α    |  |  |  |
| PV-C1323-K        | В    |  |  |  |
| PV-C1333W         | С    |  |  |  |
| PV-C1333W-K       | D    |  |  |  |
| PV-C1343          | Е    |  |  |  |
| PV-C1353W         | F    |  |  |  |
| PV-C2023          | G    |  |  |  |
| PV-C2023-K        | н    |  |  |  |
| PV-C2033W         | 1    |  |  |  |
| PV-C2063          | J    |  |  |  |
| PV-C2523-K        | ĸ    |  |  |  |

COMPARISON CHART

NOTE:

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

#### NOTE:

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 4A 125/250V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'T INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME
TYPE 1.6A 125/250V

#### \*1 Note

There are 2 types of EEPROM IC (IC6004) used on the TV/VCR Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability.





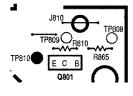
Fig. 1 Fig. 2

Be sure to install DIP type IC from the component side as shown in Fig. 1.

Be sure to intall SOP type IC from the foil side as shown in Fig. 2.

#### \*2 Note

When the TV/VCR MAIN CBA is replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN CBA must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit. As for the location of the Jumper wire, please refer the following figure.



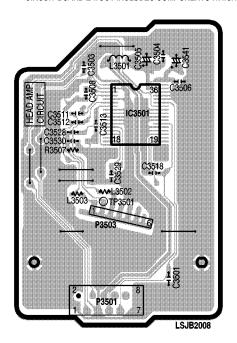
TV/VCR MAIN C.B.A. LSEP2083A/LSEP2083D PV-C2063/PV-C2523-K

#### PV-C1323

# HEAD AMP C.B.A. LSEP2008A (A,B,C,D,G,H,I,K)

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

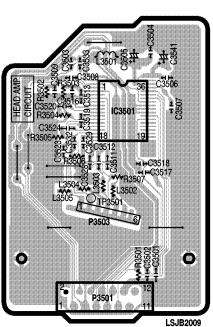
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.



# HEAD AMP C.B.A. LSEP2009A (E,F,J)

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

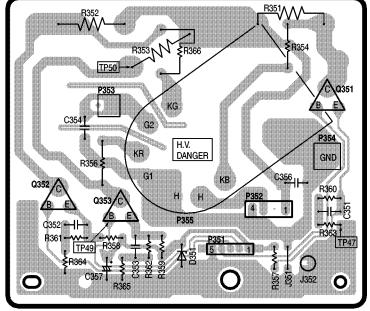
NOTE: CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.



# CRT C.B.A. LRP63004D (A,B,C,D,E,F)

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

#### CAUTION: WHEN SERVICING THIS C.B.A., AVOID TOUCHING HIGH VOLTAGE COMPONENTS.



LRP63004

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

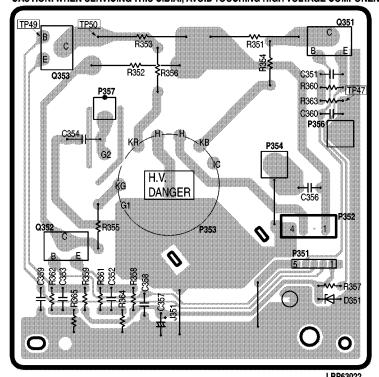
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

# COMPARISON CHART OF MODELS & MARKS

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | E    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
| PV-C2523-K  | K    |
|             |      |

# CRT C.B.A. LRP63022B (G,H,I,J) / LRP63022E (K)

#### CAUTION: WHEN SERVICING THIS C.B.A., AVOID TOUCHING HIGH VOLTAGE COMPONENTS.



CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE: CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

**HEAD AMP C.B.A. LSEP2008A HEAD AMP C.B.A. LSEP2009A** 

CRT C.B.A. LRP63004D

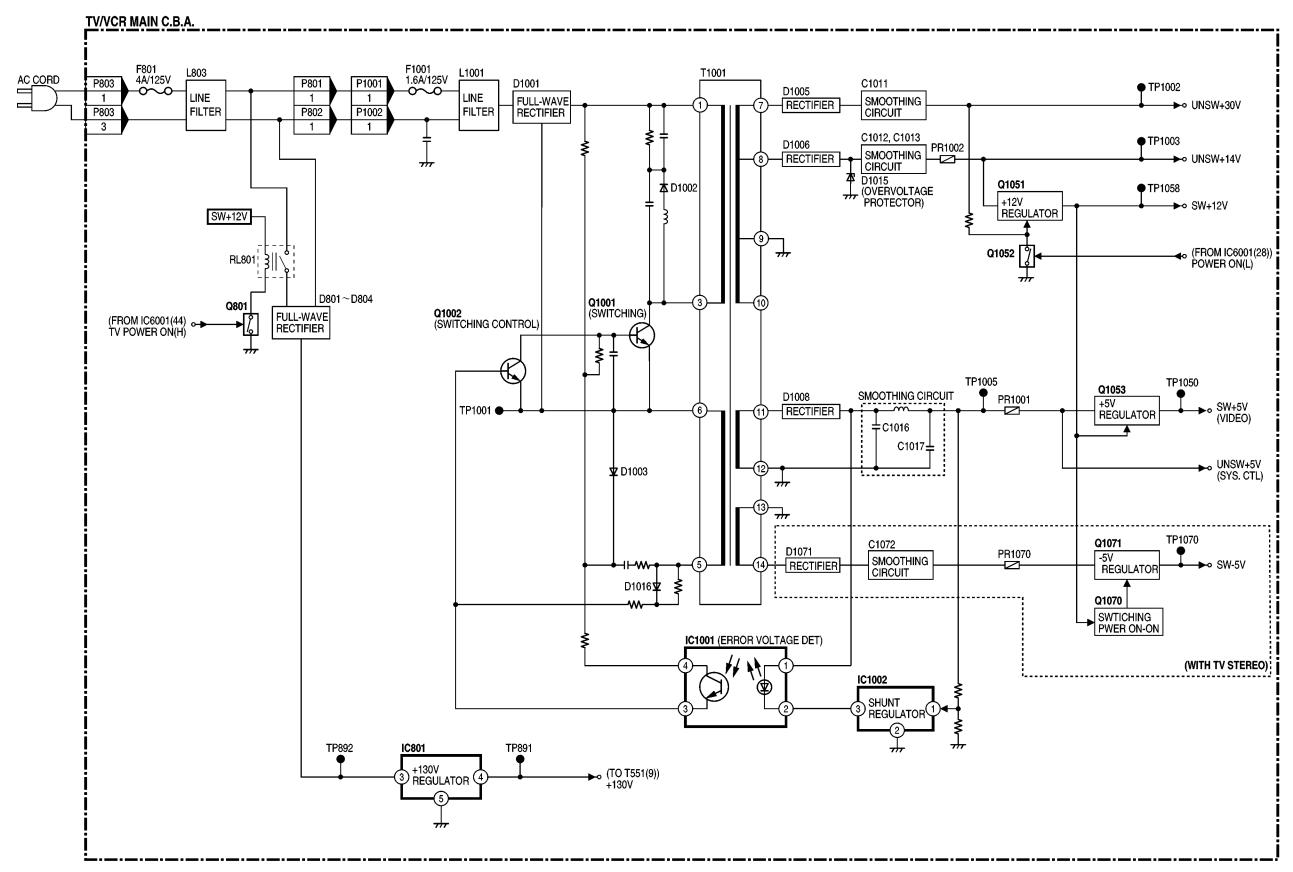
CRT C.B.A. LRP63022B/LRP63022E

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K



# 10 BLOCK DIAGRAMS

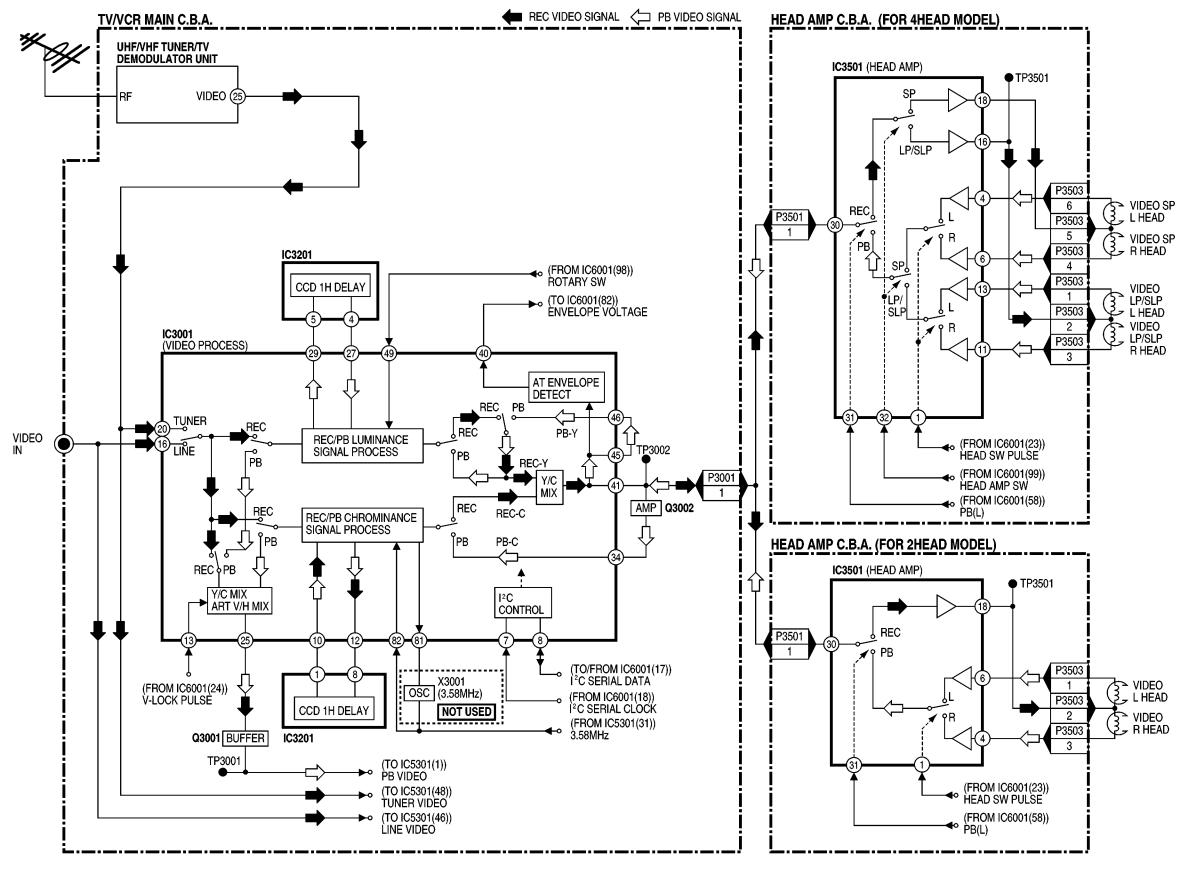
## **POWER SUPPLY BLOCK DIAGRAM**



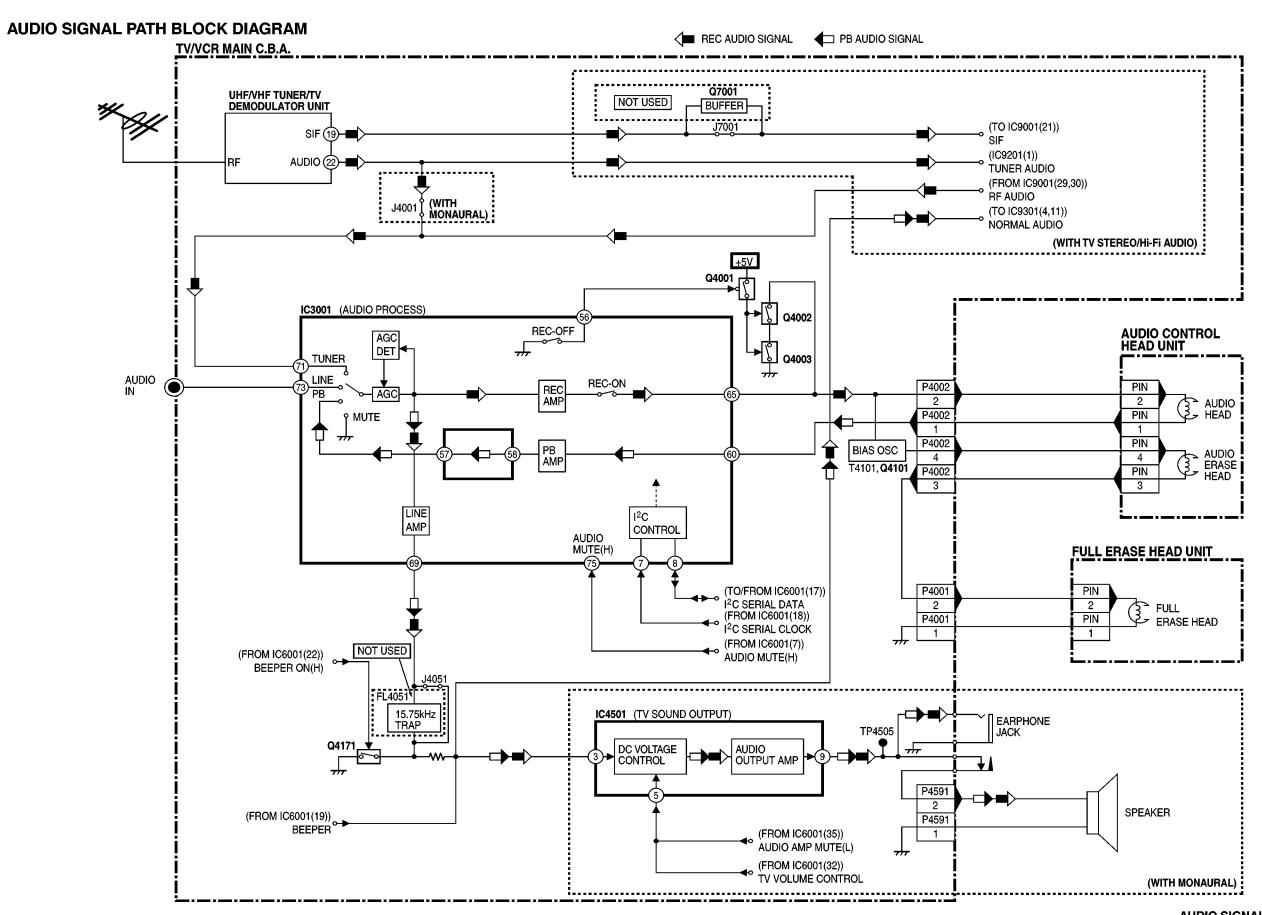
**POWER SUPPLY BLOCK DIAGRAM** 

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

# **VIDEO SIGNAL PATH BLOCK DIAGRAM**

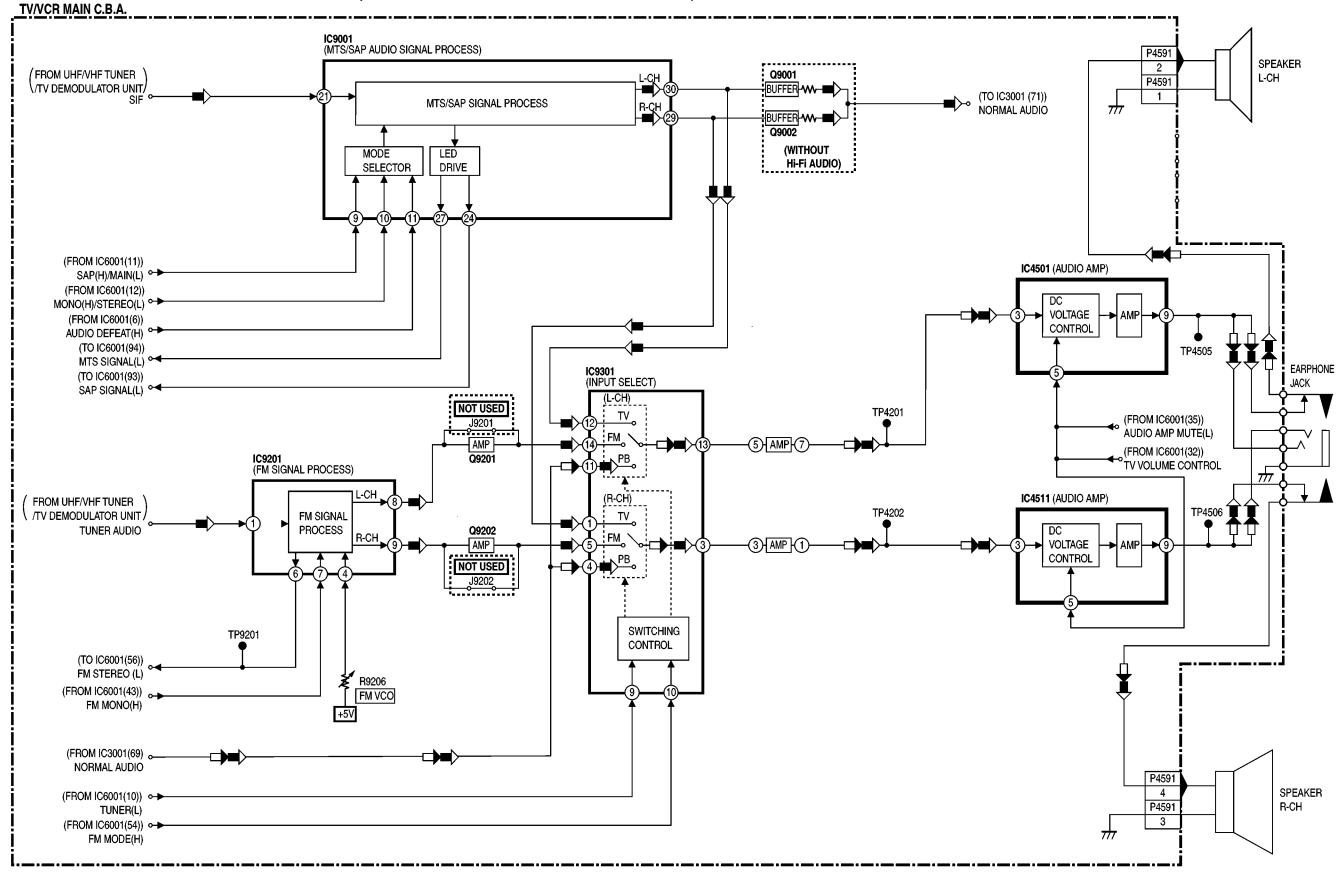


VIDEO SIGNAL PATH BLOCK DIAGRAM
PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343
/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

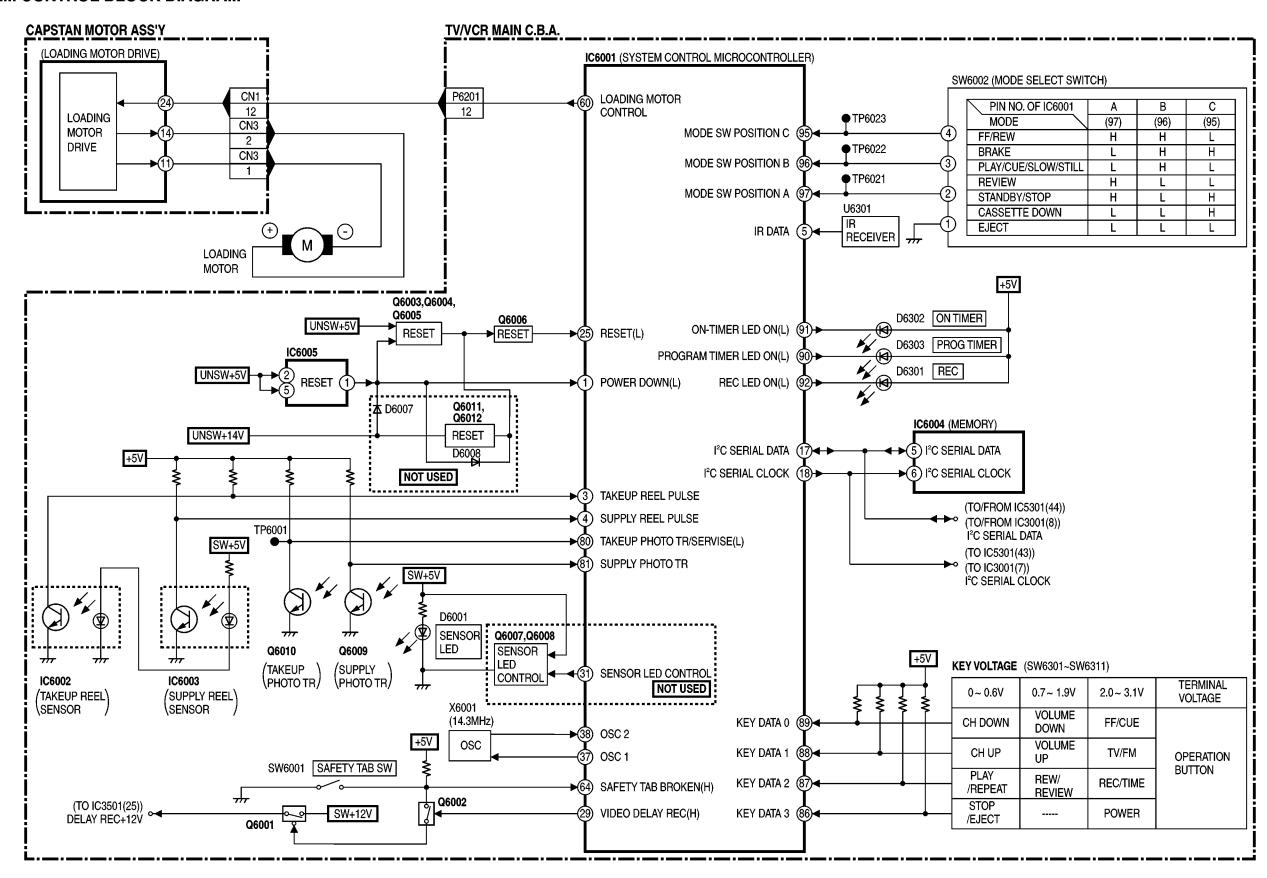


AUDIO SIGNAL PATH BLOCK DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

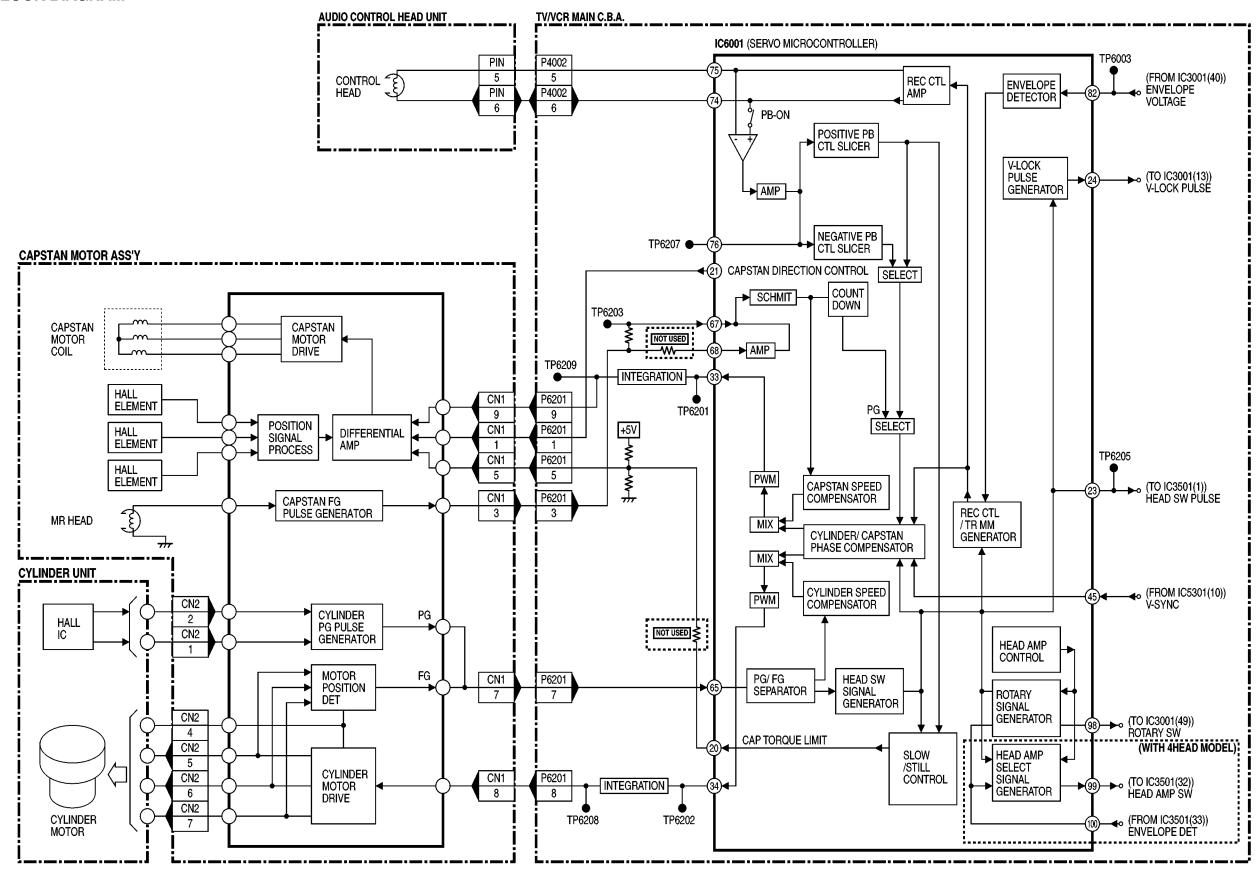
# MTS/SAP AUDIO / AUDIO AMP BLOCK DIAGRAM (FOR MODEL WITH TV STEREO/Hi-Fi AUDIO)



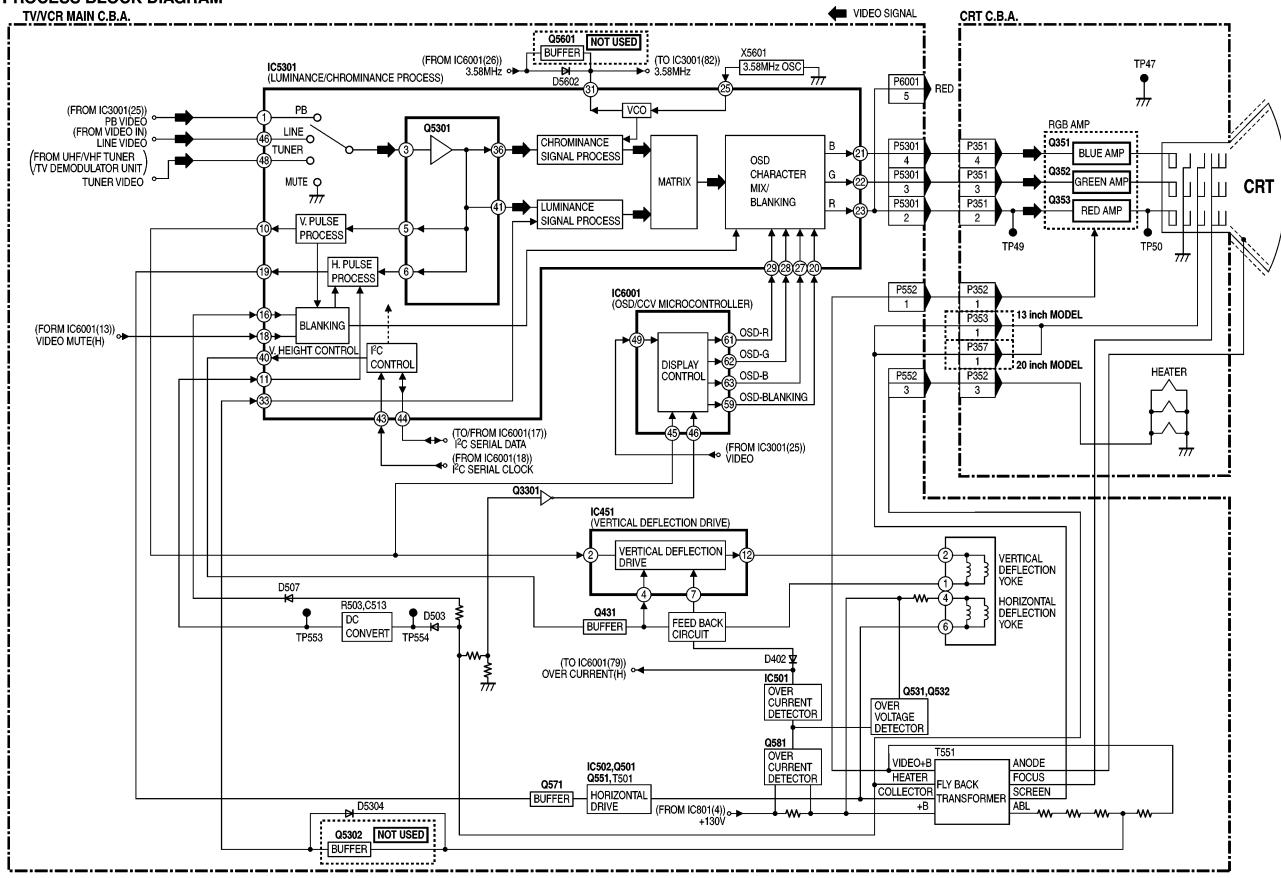
#### SYSTEM CONTROL BLOCK DIAGRAM



## **SERVO BLOCK DIAGRAM**



# TV / Y/C PROCESS BLOCK DIAGRAM



TV /Y/C PROCESS BLOCK DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K



11 EXPLODED VIEWS (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063)

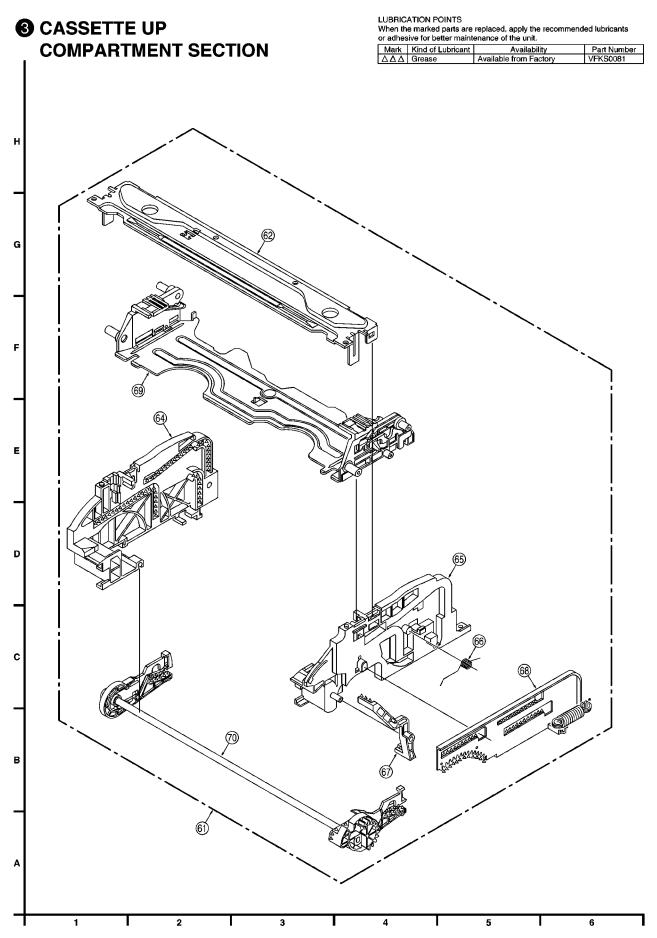
11.1. MECHANISM (TOP) SECTION

# LUBRICATION POINTS When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. **1** MECHANISM (TOP) SECTION Mark Kind of Lubricant Availability Part Number Available from Factory Note: Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list. NOTE 1 (4) G To (A) in Mechanism (Bottom) Section D °,0 not supplied **40** Α NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

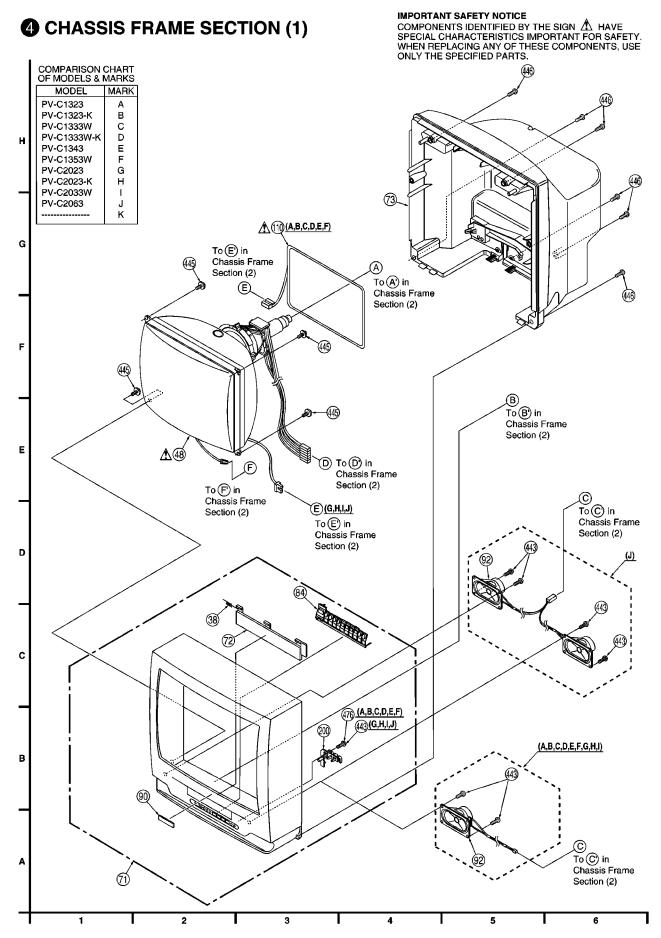
# 11.2. MECHANISM (BOTTOM) SECTION

# LUBRICATION POINTS **2** MECHANISM (BOTTOM) SECTION When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. Mark Kind of Lubricant Part Number Availability Available from Factory VFKS0081 ΔΔΔ Grease NOTE 1 (4) Н From (A) in G Mechanism (Top) NOTE 4 Section **Lubrication Points** Solder **Bottom View Lubrication Points** NOTE 3 D **Bottom View** not supplied C В NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures. NOTE 3: Main Cam Gear is supplied as a Main Cam Gear Kit only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

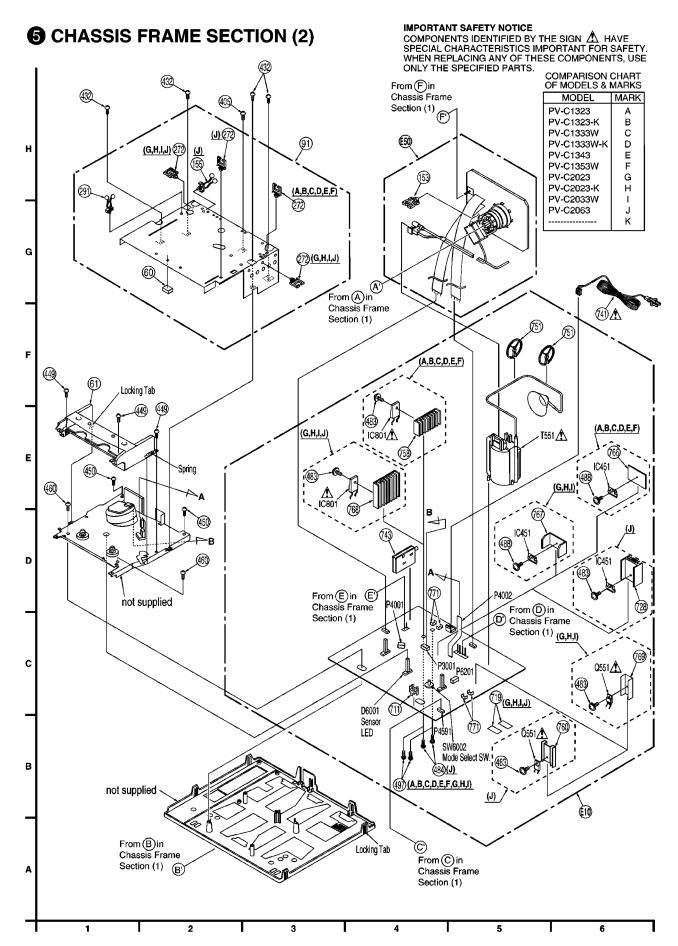
# 11.3. CASSETTE UP COMPARTMENT SECTION



# 11.4. CHASSIS FRAME SECTION (1)

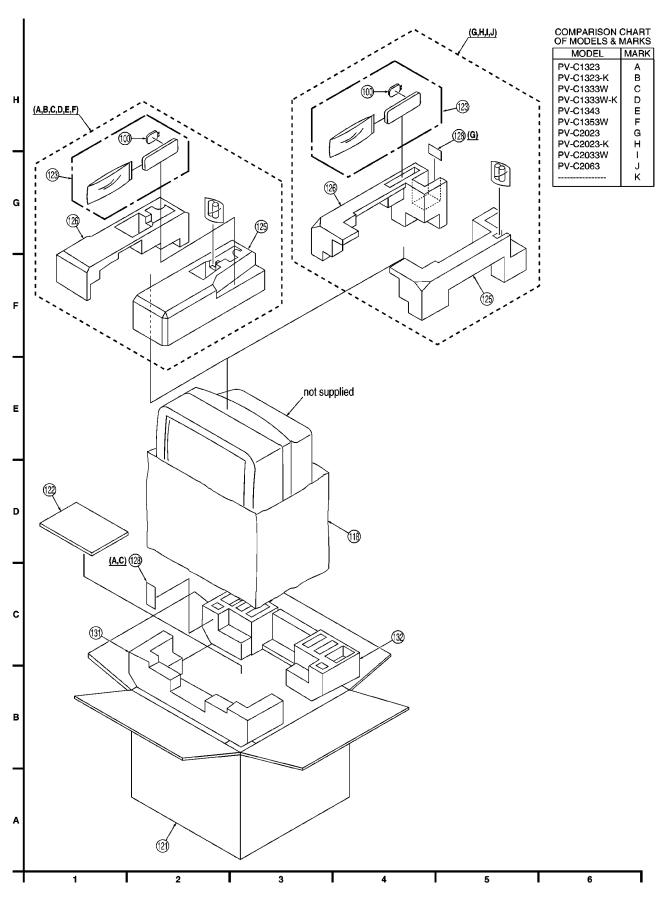


# 11.5. CHASSIS FRAME SECTION (2)



# 11.6. PACKING PARTS AND ACCESSORIES SECTION

# **6** PACKING PARTS AND ACCESSORIES SECTION



# 12 REPLACEMENT PARTS LISTS (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063)

BEFORE REPLACING PARTS, READ THE FOLLOWING:

#### 12.1. REPLACEMENT NOTES

#### 12.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

#### 2. IMPORTANT SAFETY NOTICE

Components identified by the sign  $\triangle$  have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

- 4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 6. Definition of Parts supplier:
  - a. Parts with mark "MKE" in the Remarks column are supplied from MKE.
  - b. Parts without mark in the Remarks column are supplied from MKI.
- 7. Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.
- 8. Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

# 12.1.2. Mechanical Replacement Notes

- Section No. of parts shown in Exploded Views are indicated in the Remarks column.
- 2. The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).

After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

3. In early units, a washer is used.

When servicing the washer or the P5 Arm Unit, replace only the P5 Arm Unit with a new one, and remove the washer.

 Main Cam Gear is supplied as a Main Cam Gear Kit (Ref. No. 8) only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.

- 5. The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.
- 6. The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.
- Main Cam Push Nut (Ref. No. 414) is not reusable.
   If removed, install a new one.

## 12.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in  $\Omega$ , K = 1,000  $\Omega$ , M = 1,000 k $\Omega$ .

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is

limited for this item. After the discontinuation of this item in production, it will no longer be

available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component
W FLMPRF: Wirewound Flameproof
C.B.A.: Circuit Board Assembly
P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

- 3. When replacing 0  $\Omega$  resistor, a wire can be substituted for it
- 4. Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.
- 5. EEP ROM IC (IC6004) replacement note:

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

6. TV/VCR MAIN C.B.A. replacement note:

When the TV/VCR MAIN C.B.A.s shown below are replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN C.B.A. must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit.

As for the location of the Jumper wire, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

# 12.2. MECHANICAL REPLACEMENT PARTS LIST

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | - 1  |
| PV-C2063    | J    |
|             | K    |

# **Definition of Parts supplier:**

- 1. Parts with mark "MKE" in the Remarks column are supplied from MKE.
- 2. Parts without mark in the Remarks column are supplied from MKI.

| Ref.<br>No. | Part No. | Part Name & Description         | Remarks |
|-------------|----------|---------------------------------|---------|
| 1           | VBSS0033 | FULL ERASE HEAD                 | 1       |
| 2           | LSXK0109 | MOTOR BLOCK UNIT                | 1       |
| 3           | LSDB0045 | TENSION ARM BOSS                | 1       |
| 4           | LSXY0463 | MECHANICAL CHASSIS SUB ASS'Y    | 1,2 RTL |
| 5           | LSMD0209 | OPENER PIECE                    | 1       |
| 8           | LSVD0007 | MAIN CAM GEAR KIT               | 2       |
| 9           | LSDR0004 | S REEL TABLE                    | 1       |
| 10          | LSDR0005 | T REEL TABLE                    | 1       |
| 11          | LSEG0013 | CYLINDER UNIT ( A,B,C,D,G,H,I ) | 1       |
| 11          | LSEG0069 | CYLINDER UNIT ( E,F,J )         | 1       |
| 12          | LSEH0006 | AUDIO CONTROL/ERASE HEAD UNIT   | 1       |
| 14          | LSDG0112 | LIFT GEAR                       | 1       |
| 16          | VXDS0213 | LOADING POST BASE-S UNIT        | 1       |

|  | 1   |  | <u> </u>                        |
|--|---|--|---------------------------------|
| Ref.<br>No.  | Part No.  | Part Name & Description  | Remarks                         |
| 17   | VXDS0214  | LOADING POST BASE-T UNIT   | 1                               |
| 18   | LSXL0079  | PINCH ARM UNIT   | 1                               |
| 19   | LSDG0110  | INTERMEDIATE GEAR A  | 1                               |
| 20   | LSXL0078  | P5 ARM UNIT  | 1                               |
| 21   | LSML0360  | DRIVE RACK ARM   | 1                               |
| 22   | LSXL0077  | TENSION CONTROL ARM UNIT   | 1                               |
| 23   | LSMB0282  | PINCH ASSIST SPRING  | 1                               |
| 25   | LSSC0518  | A/C SHIELD PLATE   | 1                               |
| 27   | VXLS1130  | T BRAKE UNIT   | 1                               |
| 29   | VXLS1130  | TENSION ARM UNIT   | 1                               |
| 38   | LSMB0289  |  | 4                               |
|  |   | CASSETTE DOOR SPRING   | 2                               |
| 41   | VXPS0389  | CENTER CLUTCH UNIT   | _                               |
| 42   | VMBS1151  | CHANGING GEAR SPRING   | 2                               |
| 43   | LSDG0114  | CHANGING GEAR  | 2                               |
| 44   | VXLS1091  | IDLER ARM UNIT   | 2                               |
| 45   | LSJW0027  | FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC  | 2                               |
| 1.0  | LSEM0078  | · ·  | 2                               |
| 46   |   | CAPSTAN MOTOR ASS'Y  |                                 |
| 47   | LSMM0007  | MAIN ROD   | 2                               |
| 48   | LXQVB01131  | ,  | 4 🕰                             |
| 40   |   | A,B,C,D)   | 4 &                             |
| 48   | LXQVB01133  | COLOR PICTURE TUBE UNIT ( E,F  | 4 🕰                             |
| 48   | LXQVB01202  | COLOR PICTURE TUBE UNIT (  | 4 \Lambda                       |
|  |   | G,H,I)   |                                 |
| 48   | LXQVB02202  | COLOR PICTURE TUBE UNIT ( J )  | 4 \Lambda                       |
| 49   | VXLS1099  | S LOADING ARM UNIT   | 2                               |
| 50   | VXLS1098  | T LOADING ARM UNIT   | 2                               |
| 51   | LSDG0116  | REEL GEAR  | 2                               |
| 52   | LSDG0110  | INTERMEDIATE GEAR B  | 2                               |
| -  |   | <u> </u>   |                                 |
| 53   | LSMA0532  | SUPPORT ANGLE  | 2                               |
| 54   | LSDV0009  | CAPSTAN BELT SQUARE, ELASTOMER   | 2                               |
| 58   | T CYT 0007  | SS BRAKE ARM UNIT  | 2                               |
|  | LSXL0087  |  |                                 |
| 59   | LSMB0196  | SS BRAKE SPRING  | 2                               |
| 60   | VMFS0311  | CUSHION  | 5                               |
| 61   | LSXY0483  | CASSETTE UP ASS'Y  | 3,5                             |
| 62   | LSMA0352  | TOP PLATE  | 3                               |
| 64   | LSMD0174  | SIDE PLATE L   | 3                               |
| 65   | LSMD0173  | SIDE PLATE R   | 3                               |
| 66   | LSMB0218  | SUPPORT SPRING   | 3                               |
| 67   | LSML0096  | OPENER LEVER   | 3                               |
| 68   | VXLS1111  | DRIVE RACK UNIT  | 3                               |
| 69   | LSXA0497  | HOLDER UNIT  | 3                               |
| 70   | VXLS1110  | WIPER ARM UNIT   | 3                               |
| 71   | LXQKY02132  | FRONT CABINET ASS'Y ( A,B )  | 4                               |
| 71   | LXQKY03132  | FRONT CABINET ASS'Y ( C,D )  | 4                               |
| 71   | LXQKY04132  | FRONT CABINET ASS'Y ( E )  | 4                               |
| 71   | LXQKY05132  | FRONT CABINET ASS'Y ( F )  | 4                               |
| 71   | LXQKY02202  | FRONT CABINET ASS Y ( G,H )  | 4                               |
| 71   | LXQKY03202  | FRONT CABINET ASS'Y ( I )  | 4                               |
| 71   | LXQKY04202  | FRONT CABINET ASS'Y ( J )  | 4                               |
| 72   | LSKF0440  | CASSETTE DOOR-LID ( A,B )  | 4                               |
| 72   | LSKF0441  | CASSETTE DOOR-LID ( C,D )  | 4                               |
| 72   | LSKF0441  | CASSETTE DOOR-LID ( E )  | 4                               |
| 72   | LSKF0442  | CASSETTE DOOR-LID ( F )  | 4                               |
|  |   |  |                                 |
| 72   | LSKF0446  | CASSETTE DOOR-LID ( G,H )  | 4                               |
| 72   | LSKF0447  | CASSETTE DOOR-LID ( I )  | 4                               |
| 72   | LSKF0409  | CASSETTE DOOR-LID ( J )  | 4                               |
| 73   | LKV60601A   | REAR COVER ( A,E )   | 4                               |
|  |   |  |                                 |
| 73   | LXQKV08139  | REAR COVER UNIT ( B )  |                                 |
| 73<br>73   | LKV60602B   | REAR COVER ( C,F )   | 4                               |
| 73<br>73<br>73   | LKV60602B<br>LXQKV09139   | REAR COVER ( C,F ) REAR COVER UNIT ( D )   | 4                               |
| 73<br>73<br>73<br>73                                     | LKV60602B<br>LXQKV09139<br>LSGV0029   | REAR COVER ( C,F ) REAR COVER UNIT ( D ) REAR COVER ( G )  | 4<br>4<br>4                     |
| 73<br>73<br>73<br>73<br>73                               | LKV60602B<br>LXQKV09139   | REAR COVER ( C,F ) REAR COVER UNIT ( D ) REAR COVER ( G ) REAR COVER UNIT ( H )  | 4<br>4<br>4                     |
| 73<br>73<br>73<br>73                                     | LKV60602B<br>LXQKV09139<br>LSGV0029   | REAR COVER ( C,F ) REAR COVER UNIT ( D ) REAR COVER ( G )  | 4<br>4<br>4<br>4                |
| 73<br>73<br>73<br>73<br>73                               | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202   | REAR COVER ( C,F ) REAR COVER UNIT ( D ) REAR COVER ( G ) REAR COVER UNIT ( H )  | 4<br>4<br>4                     |
| 73<br>73<br>73<br>73<br>73<br>73                         | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030   | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER UNIT ( H )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON (   | 4<br>4<br>4<br>4                |
| 73<br>73<br>73<br>73<br>73<br>73<br>73<br>73<br>84       | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030<br>LKV60501A<br>LBY61044B                           | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER UNIT ( H )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON ( A,B,E,G,H,J )   | 4<br>4<br>4<br>4<br>4<br>4      |
| 73<br>73<br>73<br>73<br>73<br>73<br>73<br>73<br>84       | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030<br>LKV60501A<br>LBY61044B<br>LBX61072B              | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER UNIT ( H )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON ( A,B,E,G,H,J )  OPERATION BUTTON ( C,D,F,I )                             | 4<br>4<br>4<br>4<br>4<br>4<br>4 |
| 73<br>73<br>73<br>73<br>73<br>73<br>73<br>73<br>84       | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030<br>LKV60501A<br>LBY61044B                           | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER ( I )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON ( A,B,E,G,H,J )  OPERATION BUTTON ( C,D,F,I )  BADGE,ABS RESIN ( A,B,C,D,E,F   | 4<br>4<br>4<br>4<br>4<br>4<br>4 |
| 73<br>73<br>73<br>73<br>73<br>73<br>73<br>73<br>84<br>84 | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030<br>LKV60501A<br>LBY61044B<br>LBX61072B<br>TBM153023 | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER ( I )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON ( A,B,E,G,H,J )  OPERATION BUTTON ( C,D,F,I )  BADGE,ABS RESIN ( A,B,C,D,E,F ) | 4 4 4 4 4 4                     |
| 73<br>73<br>73<br>73<br>73<br>73<br>73<br>73<br>84       | LKV60602B<br>LXQKV09139<br>LSGV0029<br>LXQKV01202<br>LSGV0030<br>LKV60501A<br>LBY61044B<br>LBX61072B              | REAR COVER ( C,F )  REAR COVER UNIT ( D )  REAR COVER ( G )  REAR COVER ( I )  REAR COVER ( I )  REAR COVER ( J )  OPERATION BUTTON ( A,B,E,G,H,J )  OPERATION BUTTON ( C,D,F,I )  BADGE,ABS RESIN ( A,B,C,D,E,F ) | 4<br>4<br>4<br>4<br>4<br>4<br>4 |

| :3   |             |  |         |
|------|-------------|--|---------|
| Ref. | Part No.    | Part Name & Description  | Remarks |
| 91   | LXQUS01202K | TOP SHIELD PLATE ASS'Y (G,H,I)   | 5       |
| 91   | LXQUS01203K | TOP SHIELD PLATE ASS'Y ( J )   | 5       |
| 92   | LXQAS01J13  | SPEAKER UNIT ( A,B,C,D,E,F,G,H,I )                                     | 4       |
| 92   | LXQAS1301S  | SPEAKER UNIT ( J )   | 4       |
| 100  | LSKF0492    | BATTERY COVER ( A,B,E )  | 6       |
| 100  | LSKF0493    | BATTERY COVER ( C,D,F )  | 6       |
| 100  | VKFS2235    | BATTERY COVER ( G,H,J )  | 6       |
| 100  | VKFS2237    | BATTERY COVER ( I )  | 6       |
| 110  | LLJ69006Z   | DEGAUSSING COIL ( A,B,C,D,E,F)   |         |
| 118  | LPE64003A   | BAG, POLYETHYLENE ( A,B,C,D,E,F)                                       | 6       |
| 118  | LPE64004A   | BAG, POLYETHYLENE ( G, H, I, J )                                       | 6       |
| 121  | LSPG1439    | PACKING CASE, PAPER ( A,B )  | 6       |
| 121  | LSPG1440    | PACKING CASE, PAPER ( C,D )  | 6       |
| 121  | LSPG1441    | PACKING CASE, PAPER ( E )  | 6       |
| 121  | LSPG1442    | PACKING CASE, PAPER ( F )  | 6       |
| 121  | LSPG1444    | PACKING CASE, PAPER ( G, H )   | 6       |
| 121  | LSPG1445    | PACKING CASE, PAPER ( I )  | 6       |
| 121  | LSPG1446    | PACKING CASE, PAPER ( J )  | 6       |
| 122  | LSQT0664A   | INSTRUCTION BOOK ( A,C,E,F )   | 6       |
| 122  | LSQF0715    | FAN BAG ( B,D )  | 6       |
|      |             |  |         |
| 122  | LSQT0665A   | INSTRUCTION BOOK ( G,I )   | 6       |
| 122  | LSQF0716    | FAN BAG ( H )  | 6       |
| 122  | LSQT0666A   | INSTRUCTION BOOK ( J )   | 6       |
| 123  | LSSQ0382    | INFRARED REMOTE CONTROL UNIT   |         |
| 123  | LSSQ0383    | INFRARED REMOTE CONTROL UNIT   |         |
| 123  | LSSQ0380    | INFRARED REMOTE CONTROL UNIT   |         |
| 123  | LSSQ0384    | INFRARED REMOTE CONTROL UNIT   |         |
| 123  | LSSQ0381    | INFRARED REMOTE CONTROL UNIT   |         |
| 125  | LPJ61029A   | TOP CUSHION RIGHT, STYROFOAM ( A,B,C,D,E,F)                            |         |
| 125  | LPJ61028A   | TOP CUSHION RIGHT, STYROFOAM ( G,H,I,J)  TOP CUSHION LEFT, STYROFOAM ( |         |
| 126  | LPJ61030A   | A,B,C,D,E,F)   | 6       |
| 128  | ZLDRS1      | G,H,I,J) SECURITY TAG (A,C,G)  | 6       |
| 131  | LPJ62029A   | BOTTOM CUSHION   |         |
| 131  | LF002029A   | FRONT, STYROFOAM ( A,B,C,D,E,F)  | •       |
| 131  | LPJ62027A   | BOTTOM CUSHION FRONT, STYROFOAM ( G,H,I,J )                            | 6       |
| 132  | LPJ62030A   | BOTTOM CUSHION REAR, STYROFOAM ( A,B,C,D,E,F )                         | 6       |
| 132  | LPJ62028A   | BOTTOM CUSHION REAR, STYROFOAM ( G, H, I, J )                          | 6       |
| 153  | TMM7443-1   | CLAMPER  | 5       |
| 155  | TMM76403-1  | CLAMPER ( J )  | 5       |
| 200  | LKK683010A  | PANEL LIGHT ( A,B,C,D,E,F )  | 4       |
| 200  | LKK683009A  | PANEL LIGHT ( G,H,I,J )  | 4       |
| 272  | TMM77412    | CLAMPER  | 5       |
| 291  | LML69002A   | CLAMPER  | 5       |
| 401  | VHDS0475    | SCREW, STEEL   | 1       |
| 405  | VHDS0496    | SCREW W/WASHER, STEEL  | 5       |
| 410  | VHDS0498    | SCREW W/WASHER, STEEL  | 1       |
| 414  | VHNS0070    | MAIN CAM PUSH NUT, STEEL   | 2       |
| 422  | XWGV2D5G    | WASHER, NYLON  | 2       |
| 424  | XYC26+SF6J  | SCREW W/WASHER, STEEL  | 1       |
| 432  | XTV3+8JR    | TAPPING SCREW, STEEL   | 5       |
| 443  | XTV4+12A    | TAPPING SCREW, STEEL   | 4       |
| 445  | THE492-4    | SCREW W/WASHER, STEEL (A,B,C,D,E,F)                                    | 4       |
| 445  | LHT60002Y   | SCREW, STEEL ( G, H, I, J )  | 4       |
| 446  | XTV4+16A    | TAPPING SCREW, STEEL   | 4       |
| 449  | VHDS0493    | TAPPING SCREW, STEEL   | 5       |
| 450  | VHDS0309    | SCREW, STEEL   | 5       |
| 458  | XTV3+8J     | TAPPING SCREW, STEEL   | 1       |
| 460  | XTN4+12A    | TAPPING SCREW, STEEL   | 5       |
| 1200 |             |  |         |

| E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | Ref.<br>No. | Part No.     | Part Name & Description        | Remarks |
|--|-------------|--------------|--------------------------------|---------|
| TAPPING   SCREW, STEEL   | 473         | XYN26+C6     | SCREW W/WASHER, STEEL          | 1       |
| A,B,C,D,E,F)  478 VHDS0495 SCREW, STEEL 2  483 XYN3+F10S SCREW W/WASHER, STEEL 5  484 XTW3+10J TAPPING SCREW, STEEL (J) 5  485 XYN3+F6S SCREW W/WASHER, STEEL (J) 5  487 XTV3+10J TAPPING SCREW, SCREW (5  A,B,C,D,E,F,G,H,I) 5  508 XTB26+6J TAPPING SCREW, SCREW 2  711 PNA4611M00HC INFRARED RECEIVER UNIT 5  712 VMTS0035 CUSHION, RUBBER 1  719 VMFS0136 SHEET, NYLON-RAYON (G,H,I,J) 5  728 LUS63008A HEAT SINK (J) 5  741 LSJA0362 AC CORD W/PLUG,120V (5 A,B,E,G,H,I,J)  741 LSJA0343 AC CORD W/PLUG,120V (5 A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V (C,D,F) 5 A  A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V (C,D,F) 5 A  741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  742 LSJA0366 AC CORD W/PLUG,120V (C,D,F) 5 A  743 ENG36709GL TUNER, UHF/VHF NR (J) 5  743 ENG36709GL TUNER, UHF/VHF NR (J) 5  744 LMG8901A ANODE LEAD CLAMPER 5  755 TUC77616 HEAT SINK (A,B,C,D,E,F) 5  760 TUC77628 HEAT SINK (J) 5  760 TUC77628 HEAT SINK (A,B,C,D,E,F) 5  761 TUC77626 HEAT SINK (G,H,I) 5  762 TUC77626 HEAT SINK (G,H,I) 5  763 TUC77626 HEAT SINK (G,H,I) 5  764 TUC77626 HEAT SINK (G,H,I) 5  765 TUC77626 HEAT SINK (G,H,I) 5  766 TUC77627 HEAT SINK (G,H,I) 5  767 TUC77626 THEAT SINK (G,H,I) 5  768 TUC77626 THEAT SINK (G,H,I) 5  769 LUS23005B HEAT SINK (G,H,I) 5  769 LUS23005B HEAT SINK (G,H,I) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. (A,B,C,D, 5 RTL  E10 LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL  E10 LSEP2012R TV/VCR MAIN C.B.A. (G,H,I) 5 RTL  E10 LSEP2012R TV/VCR MAIN C.B.A. (G,H,I) 5 RTL  E10 LSEP2008A HEAD AMP C.B.A. (5 RTL  E20 LSEP2009A HEAD AMP C.B.A. (E,F,J) 1 RTL | 475         | XTV26+5FJ    | TAPPING SCREW, STEEL           | 2       |
| 483  | 476         | XTV3+12G     |                                | 4       |
| 484 XTW3+10J TAPPING SCREW, STEEL ( J ) 5 488 XYN3+F6S SCREW W/WASHER, STEEL ( 5 A,B,C,D,E,F,G,H,I ) 497 XTV3+10J TAPPING SCREW, SCREW ( 5 A,B,C,D,E,F,G,H,I ) 508 XTB26+6J TAPPING SCREW, STEEL 2 711 PNA4611M00HC INFRARED RECEIVER UNIT 5 712 VMTS0035 CUSHION, RUBBER 1 719 VMFS0136 SHEET, NYLON-RAYON ( G,H,I,J ) 5 728 LUS63008A HAAT SINK ( J ) 5 741 LSJA0362 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0363 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0364 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0364 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 741 LSJA0364 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 741 LSJA0365 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 741 LSJA0366 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 741 LSJA0367 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 741 LSJA0367 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 742 LSJA0364 AC CORD W/PLUG,120V ( C,D,F ) 5 Å 743 ENG36709GL TUNER, UHF/VHF NR ( 5 A,B,C,D,E,F,G,H,I ) 743 ENG36715G TUNER, UHF/VHF NR ( J ) 5 755 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5 760 TUC77628 HEAT SINK ( A,B,C,D,E,F ) 5 767 TUC77626 HEAT SINK ( A,B,C,D,E,F ) 5 768 TUC77603-1 HEAT SINK ( G,H,I ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D,E E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D,E E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2008A HEAD AMP C.B.A. ( E,F, ) 5 RTL E10 LSEP2008A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  | 478         | VHDS0495     | SCREW, STEEL                   | 2       |
| 488  | 483         | XYN3+F10S    | SCREW W/WASHER, STEEL          | 5       |
| A,B,C,D,E,F,G,H,I )  497 XTV3+10J TAPPING SCREW,SCREW (5 A,B,C,D,E,F,G,H,I)  508 XTB26+6J TAPPING SCREW,STEEL 2  711 PNA4611M00HC INFRARED RECEIVER UNIT 5  712 VMTS0035 CUSHION,RUBBER 1  719 VMFS0136 SHEET,NYLON-RAYON (G,H,I,J) 5  728 LUS63008A HEAT SINK (J) 5  741 LSJA0362 AC CORD W/PLUG,120V (5 A,B,E,G,H,I,J)  741 LSJA0343 AC CORD W/PLUG,120V (5 A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V (5 A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V (C,D,F) 5 A  741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  741 LSJA0364 AC CORD W/PLUG,120V (C,D,F) 5 A  741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  742 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  743 ENG36709GL TUNER,UHF/VHF NR (J) 5  744 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 A  751 LML69001A ANODE LEAD CLAMPER 15  755 TUC77616 HEAT SINK (A,B,C,D,E,F) 5  766 TUC76677-1 HEAT SINK (A,B,C,D,E,F) 5  767 TUC77626 HEAT SINK (G,H,I) 5  768 TUC77626 HEAT SINK (G,H,I) 5  769 LUS23005B HEAT SINK (G,H,I) 5  769 LUS23005B HEAT SINK (G,H,I) 5  771 EYF52BC FUSE HOLDER 10  LSEP2012T TV/VCR MAIN C.B.A. (A,B,C,D 5 RTL 10  LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL 10  LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL 10  LSEP2008A HEAD AMP C.B.A. (F,F,J) 1 RTL 11  E20 LSEP2009A HEAD AMP C.B.A. (E,F,J) 1 RTL 11   | 484         | XTW3+10J     | TAPPING SCREW, STEEL ( J )     | 5       |
| A,B,C,D,E,F,G,H,I)  508  | 488         | XYN3+F6S     |                                | 5       |
| 711 PNA4611M00HC INFRARED RECEIVER UNIT 712 VMTS0035 CUSHION, RUBBER 719 VMFS0136 SHEET, NYLON-RAYON ( G,H,I,J ) 5 728 LUS63008A HEAT SINK ( J ) 5 741 LSJA0362 AC CORD W/PLUG, 120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0343 AC CORD W/PLUG, 120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0344 AC CORD W/PLUG, 120V ( 5 Å A,B,E,G,H,I,J ) 741 LSJA0364 AC CORD W/PLUG, 120V ( C,D,F ) 5 Å 741 LSJA0363 AC CORD W/PLUG, 120V ( C,D,F ) 5 Å 741 LSJA0364 AC CORD W/PLUG, 120V ( C,D,F ) 5 Å 741 LSJA0365 AC CORD W/PLUG, 120V ( C,D,F ) 5 Å 743 ENG36709GL TUNER, UHF/VHF NR ( 5 A,B,C,D,E,F,G,H,I ) 743 ENG36715G TUNER, UHF/VHF NR ( J ) 5 751 LML69001A ANODE LEAD CLAMPER 5 758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5 760 TUC77628 HEAT SINK ( J ) 5 760 TUC77626 HEAT SINK ( A,B,C,D,E,F ) 5 767 TUC77626 HEAT SINK ( G,H,I ) 5 768 TUC77603-1 HEAT SINK ( G,H,I ) 5 769 LUS23005B HEAT SINK ( G,H,I ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012T TV/VCR MAIN C.B.A. ( G,H,I ) 5 FTL  E10 LSEP2012A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,E,F ) 1 RTL  | 497         | XTV3+10J     | , ,                            | 5       |
| 712 VMTS0035 CUSHION, RUBBER 1 719 VMFS0136 SHEET, NYLON-RAYON (G,H,I,J) 5 728 LUS63008A HEAT SINK (J) 5 741 LSJA0362 AC CORD W/PLUG,120V (5 Å A,B,E,G,H,I,J) 741 LSJA0343 AC CORD W/PLUG,120V (5 Å A,B,E,G,H,I,J) 741 LSJA0364 AC CORD W/PLUG,120V (5 Å A,B,E,G,H,I,J) 741 LSJA0363 AC CORD W/PLUG,120V (C,D,F) 5 Å 741 LSJA0363 AC CORD W/PLUG,120V (C,D,F) 5 Å 741 LSJA0364 AC CORD W/PLUG,120V (C,D,F) 5 Å 741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 Å 741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 Å 742 ENG36709GL TUNER,UHF/VHF NR (5 A,B,C,D,E,F,G,H,I) 743 ENG36715G TUNER,UHF/VHF NR (J) 5 751 LML69001A ANOME LEAD CLAMPER 5 758 TUC77616 HEAT SINK (A,B,C,D,E,F) 5 760 TUC77628 HEAT SINK (J) 5 760 TUC77628 HEAT SINK (G,H,I) 5 761 TUC77626 HEAT SINK (G,H,I) 5 762 TUC77626 HEAT SINK (G,H,I) 5 763 TUC77603-1 HEAT SINK (G,H,I) 5 764 TUC77603-1 HEAT SINK (G,H,I) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. (A,B,C,D 5 RTL ) E10 LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. (G,H,I) 5 RTL E20 LSEP2009A HEAD AMP C.B.A. (E,F,J) 1 RTL E50 LRF63004D CRT C.B.A. (A,B,C,D,E,F) 1 RTL  | 508         | XTB26+6J     | TAPPING SCREW, STEEL           | 2       |
| 719 VMFS0136 SHEET,NYLON-RAYON ( G,H,I,J ) 5 728 LUS63008A HEAT SINK ( J ) 5 741 LSJA0362 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J )  | 711         | PNA4611M00HC | INFRARED RECEIVER UNIT         | 5       |
| T28 LUS63008A HEAT SINK ( J ) 5  741 LSJA0362 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J )  741 LSJA0343 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J )  741 LSJA0364 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J )  741 LSJA0363 AC CORD W/PLUG,120V ( 5 Å A,B,E,G,H,I,J )  741 LSJA0363 AC CORD W/PLUG,120V ( C,D,F ) 5 Å  741 LSJA0344 AC CORD W/PLUG,120V ( C,D,F ) 5 Å  741 LSJA0345 AC CORD W/PLUG,120V ( C,D,F ) 5 Å  743 ENG36709GL TUMER,UHF/VHF NR ( 5 A,B,C,D,E,F,G,H,I )  743 ENG36715G TUMER,UHF/VHF NR ( J ) 5  751 LML69001A ANODE LEAD CLAMPER 5  758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5  760 TUC77628 HEAT SINK ( J ) 5  761 TUC77626 HEAT SINK ( J A,B,C,D,E,F ) 5  767 TUC77626 HEAT SINK ( G,H,I ) 5  768 TUC77603-1 HEAT SINK ( G,H,I ) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012A HEAD AMP C.B.A. ( S,F,J ) 1 RTL  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 712         | VMTS0035     | CUSHION, RUBBER                | 1       |
| 728         LUS63008A         HEAT SINK ( J )         5           741         LSJA0362         AC CORD W/PLUG,120V ( 5 Å           A,B,E,G,H,I,J )         5           741         LSJA0343         AC CORD W/PLUG,120V ( 5 Å           A,B,E,G,H,I,J )         5           741         LSJA0364         AC CORD W/PLUG,120V ( C,D,F ) 5 Å           A,B,E,G,H,I,J )         5           741         LSJA0363         AC CORD W/PLUG,120V ( C,D,F ) 5 Å           741         LSJA0365         AC CORD W/PLUG,120V ( C,D,F ) 5 Å           741         LSJA0365         AC CORD W/PLUG,120V ( C,D,F ) 5 Å           743         ENG36709GL         TUNER,UHF/VHF NR ( J )         5           743         ENG36715G         TUNER,UHF/VHF NR ( J )         5           751         LML69001A         ANODE LEAD CLAMPER         5           758         TUC77616         HEAT SINK ( A,B,C,D,E,F )         5           760         TUC77628         HEAT SINK ( J )         5           761         TUC77626         HEAT SINK ( G,H,I )         5           763         TUC77603-1         HEAT SINK ( G,H,I )         5           771         EYF52BC         FUSE HOLDER         5           E10         LSE  | 719         | VMFS0136     | SHEET, NYLON-RAYON ( G,H,I,J ) | 5       |
| A,B,E,G,H,I,J)  741 LSJA0343 AC CORD W/PLUG,120V (5 Å A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V (5 Å A,B,E,G,H,I,J)  741 LSJA0363 AC CORD W/PLUG,120V (C,D,F) 5 Å  741 LSJA0344 AC CORD W/PLUG,120V (C,D,F) 5 Å  741 LSJA0344 AC CORD W/PLUG,120V (C,D,F) 5 Å  741 LSJA0365 AC CORD W/PLUG,120V (C,D,F) 5 Å  743 ENG36709GL TUNER,UHF/VHF NR (5 A,B,C,D,E,F,G,H,I)  743 ENG36715G TUNER,UHF/VHF NR (J) 5  751 LML69001A ANODE LEAD CLAMPER 5  758 TUC77616 HEAT SINK (A,B,C,D,E,F) 5  760 TUC77628 HEAT SINK (J) 5  761 TUC77626 HEAT SINK (G,H,I) 5  763 TUC7763-1 HEAT SINK (G,H,I) 5  764 TUC77603-1 HEAT SINK (G,H,I) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. (A,B,C,D 5 RTL b)  E10 LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL  E10 LSEP2012C TV/VCR MAIN C.B.A. (G,H,I) 5 RTL  E10 LSEP208A HEAD AMP C.B.A. (5 RTL A,B,C,D,G,H,I)  E20 LSEP2009A HEAD AMP C.B.A. (E,F,J) 1 RTL   | 728         | LUS63008A    | HEAT SINK ( J )                | 5       |
| A,B,E,G,H,I,J)  741 LSJA0364 AC CORD W/PLUG,120V ( 5 △ A,B,E,G,H,I,J)  741 LSJA0363 AC CORD W/PLUG,120V ( C,D,F) 5 △ ↑  741 LSJA0344 AC CORD W/PLUG,120V ( C,D,F) 5 △ ↑  741 LSJA0345 AC CORD W/PLUG,120V ( C,D,F) 5 △ ↑  741 LSJA0365 AC CORD W/PLUG,120V ( C,D,F) 5 △ ↑  743 ENG36709GL TUNER,UHF/VHF NR ( J ) 5 ↑ ↑  743 ENG36715G TUNER,UHF/VHF NR ( J ) 5 ↑ ↑  751 LML69001A ANODE LEAD CLAMPER 5 ↑  758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5 ↑ ↑  760 TUC77628 HEAT SINK ( J ) 5 ↑ ↑  761 TUC77626 HEAT SINK ( G,H,I ) 5 ↑ ↑  762 TUC77626 HEAT SINK ( G,H,I ) 5 ↑ ↑  763 TUC77603-1 HEAT SINK ( G,H,I ) 5 ↑ ↑  764 TUC77603-1 HEAT SINK ( G,H,I ) 5 ↑ ↑  765 LUS23005B HEAT SINK ( G,H,I ) 5 ↑ ↑  769 LUS23005B HEAT SINK ( G,H,I ) 5 ↑ ↑  771 EYF52BC FUSE HOLDER 5 ↑ ↑  E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) 6 ↑ ↑  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 ↑ ↑  E10 LSEP2008A HEAD AMP C.B.A. ( S,F,I ) 1 RTL    E20 LSEP2009A HEAD AMP C.B.A. ( E,F,I ) 1 RTL    E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 741         | LSJA0362     | 1                              | 5 ⚠     |
| A,B,E,G,H,I,J)  741 LSJA0363 AC CORD W/PLUG,120V ( C,D,F ) 5 A  741 LSJA0344 AC CORD W/PLUG,120V ( C,D,F ) 5 A  741 LSJA0365 AC CORD W/PLUG,120V ( C,D,F ) 5 A  743 ENG36709GL TUNER,UHF/VHF NR ( 5 A,B,C,D,E,F,G,H,I )  743 ENG36715G TUNER,UHF/VHF NR ( J ) 5  751 LML69001A ANODE LEAD CLAMPER 5  758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5  760 TUC77628 HEAT SINK ( J ) 5  761 TUC77626 HEAT SINK ( G,H,I ) 5  762 TUC7763-1 HEAT SINK ( G,H,I ) 5  763 TUC77603-1 HEAT SINK ( G,H,I ) 5  764 TUC7603-1 HEAT SINK ( G,H,I,J ) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5  E10 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I )  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 741         | LSJA0343     | 1                              | 5 ⚠     |
| 741         LSJA0344         AC CORD W/PLUG,120V ( C,D,F ) 5   | 741         | LSJA0364     |                                | 5 🛆     |
| 741         LSJA0365         AC CORD W/PLUG,120V ( C,D,F ) 5   | 741         | LSJA0363     | AC CORD W/PLUG,120V ( C,D,F )  | 5 ⚠     |
| 743     ENG36709GL     TUNER, UHF/VHF     NR     ( 5       743     ENG36715G     TUNER, UHF/VHF NR ( J )     5       751     LML69001A     ANODE LEAD CLAMPER     5       758     TUC77616     HEAT SINK ( A,B,C,D,E,F )     5       760     TUC77628     HEAT SINK ( J )     5       766     TUC76677-1     HEAT SINK ( A,B,C,D,E,F )     5       767     TUC77626     HEAT SINK ( G,H,I )     5       768     TUC77603-1     HEAT SINK ( G,H,I,J )     5       771     EYF52BC     FUSE HOLDER     5       E10     LSEP2012T     TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )       E10     LSEP2012S     TV/VCR MAIN C.B.A. ( E,F )     5 RTL L       E10     LSEP2012C     TV/VCR MAIN C.B.A. ( G,H,I )     5 RTL L       E10     LSEP2083A     TV/VCR MAIN C.B.A. ( G,H,I )     5 RTL L       E20     LSEP2008A     HEAD AMP C.B.A. ( E,F,J )     1 RTL L       E20     LSEP2009A     HEAD AMP C.B.A. ( E,F,J )     1 RTL L   | 741         | LSJA0344     | AC CORD W/PLUG,120V ( C,D,F )  | 5 ⚠     |
| A,B,C,D,E,F,G,H,I)  743 ENG36715G TUNER,UHF/VHF NR ( J ) 5  751 LML69001A ANODE LEAD CLAMPER 5  758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5  760 TUC77628 HEAT SINK ( J ) 5  766 TUC76677-1 HEAT SINK ( A,B,C,D,E,F ) 5  767 TUC77626 HEAT SINK ( G,H,I ) 5  768 TUC77603-1 HEAT SINK ( G,H,I ) 5  769 LUS23005B HEAT SINK ( G,H,I ) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )  E10 LSEP2012S TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2012A HEAD AMP C.B.A. ( S RTL  A,B,C,D,G,H,I )  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 741         | LSJA0365     | AC CORD W/PLUG,120V ( C,D,F )  | 5 🛆     |
| 751 LML69001A ANODE LEAD CLAMPER 5 758 TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5 760 TUC77628 HEAT SINK ( J ) 5 766 TUC76677-1 HEAT SINK ( A,B,C,D,E,F ) 5 767 TUC77626 HEAT SINK ( G,H,I ) 5 768 TUC77603-1 HEAT SINK ( G,H,I ) 5 769 LUS23005B HEAT SINK ( G,H,I ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 743         | ENG36709GL   | 1                              | 5       |
| TUC77616 HEAT SINK ( A,B,C,D,E,F ) 5  760 TUC77628 HEAT SINK ( J ) 5  766 TUC76677-1 HEAT SINK ( A,B,C,D,E,F ) 5  767 TUC77626 HEAT SINK ( G,H,I ) 5  768 TUC77603-1 HEAT SINK ( G,H,I,J ) 5  769 LUS23005B HEAT SINK ( G,H,I ) 5  771 EYF52BC FUSE HOLDER 5  E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )  E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL   E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL   E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL   E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL   E10 LSEP2012A TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL   E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL   A,B,C,D,G,H,I ) 1 RTL   E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 743         | ENG36715G    | TUNER, UHF/VHF NR ( J )        | 5       |
| 760 TUC77628 HEAT SINK ( J ) 5 766 TUC76677-1 HEAT SINK ( A,B,C,D,E,F ) 5 767 TUC77626 HEAT SINK ( G,H,I ) 5 768 TUC77603-1 HEAT SINK ( G,H,I,J ) 5 769 LUS23005B HEAT SINK ( G,H,I,J ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( J ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 751         | LML69001A    | ANODE LEAD CLAMPER             | 5       |
| 766 TUC76677-1 HEAT SINK ( A,B,C,D,E,F ) 5 767 TUC77626 HEAT SINK ( G,H,I ) 5 768 TUC77603-1 HEAT SINK ( G,H,I,J ) 5 769 LUS23005B HEAT SINK ( G,H,I,J ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | 758         | TUC77616     | HEAT SINK ( A,B,C,D,E,F )      | 5       |
| 767 TUC77626 HEAT SINK ( G,H,I ) 5 768 TUC77603-1 HEAT SINK ( G,H,I,J ) 5 769 LUS23005B HEAT SINK ( G,H,I,J ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 760         | TUC77628     | HEAT SINK ( J )                | 5       |
| 768 TUC77603-1 HEAT SINK ( G,H,I,J ) 5 769 LUS23005B HEAT SINK ( G,H,I ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( J ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | 766         | TUC76677-1   | HEAT SINK ( A,B,C,D,E,F )      | 5       |
| 769 LUS23005B HEAT SINK ( G,H,I ) 5 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( J ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 767         | TUC77626     | HEAT SINK ( G,H,I )            | 5       |
| 771 EYF52BC FUSE HOLDER 5 E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | 768         | TUC77603-1   | HEAT SINK ( G,H,I,J )          | 5       |
| E10 LSEP2012T TV/VCR MAIN C.B.A. ( A,B,C,D 5 RTL )  E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL   E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL   E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL   E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I )   E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL   E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 769         | LUS23005B    | HEAT SINK ( G,H,I )            | 5       |
| ) E10 LSEP2012S TV/VCR MAIN C.B.A. ( E,F ) 5 RTL E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL A,B,C,D,G,H,I ) E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | 771         | EYF52BC      | FUSE HOLDER                    | 5       |
| E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL  E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL  A,B,C,D,G,H,I )  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | E10         | LSEP2012T    | TV/VCR MAIN C.B.A. ( A,B,C,D   | 5 RTL   |
| E10 LSEP2012C TV/VCR MAIN C.B.A. ( G,H,I ) 5 RTL  E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL  E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL  A,B,C,D,G,H,I )  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | E10         | LSEP2012S    | TV/VCR MAIN C.B.A. ( E,F )     | 5 RTL   |
| E10 LSEP2083A TV/VCR MAIN C.B.A. ( J ) 5 RTL  E20 LSEP2008A HEAD AMP C.B.A. ( 5 RTL  A,B,C,D,G,H,I )  E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL  E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL  | E10         | LSEP2012C    |                                | 5 RTL   |
| E20 LSEP2008A HEAD AMP C.B.A. (5 RTL A,B,C,D,G,H,I)  E20 LSEP2009A HEAD AMP C.B.A. (E,F,J) 1 RTL  E50 LRP63004D CRT C.B.A. (A,B,C,D,E,F) 1 RTL   | E10         | LSEP2083A    | •                              | 5 RTL   |
| E20 LSEP2009A HEAD AMP C.B.A. ( E,F,J ) 1 RTL E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | E20         | LSEP2008A    | HEAD AMP C.B.A. (              | 5 RTL   |
| E50 LRP63004D CRT C.B.A. ( A,B,C,D,E,F ) 1 RTL   | E20         | LSEP2009A    | <del> </del>                   | 1 RTL   |
|  | E50         | LRP63004D    |                                | 1 RTL   |
|  | E50         | LRP63022B    |                                | 5 RTL   |

#### SERVICE FIXTURES AND TOOLS

| Ref.<br>No. | Part No.   | Part Name & Description      | Remarks |
|-------------|------------|------------------------------|---------|
|             | VFMS0003H6 | VHS ALIGNMENT TAPE           | MKE     |
|             | VFKS0081   | GREASE                       | MKE     |
|             | VFK0329    | POST ADJUSTMENT DRIVER       | MKE     |
|             | VFK27      | HEAD CLEANING STICK          | MKE     |
|             | VFK0330    | H-POSITION ADJUSTMENT DRIVER | MKE     |

# 12.3. ELECTRICAL REPLACEMENT PARTS LIST

## **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | ı    |
| PV-C2063    | J    |
|             | K    |

## **Definition of Parts supplier:**

1. All parts are supplied from MKI.

PRINTED CIRCUIT BOARD ASSEMBLY

| Ref.<br>No. | Part No.  | Part Name & Description         | Remarks       |
|-------------|-----------|---------------------------------|---------------|
| E10         | LSEP2012T | TV/VCR MAIN C.B.A. ( A,B,C,D    | E.S.D.<br>RTL |
| E10         | LSEP2012S | TV/VCR MAIN C.B.A. ( E,F )      | E.S.D.<br>RTL |
| E10         | LSEP2012C | TV/VCR MAIN C.B.A. ( G,H,I )    | E.S.D.<br>RTL |
| E10         | LSEP2083A | TV/VCR MAIN C.B.A. ( J )        | E.S.D.<br>RTL |
| E20         | LSEP2008A | HEAD AMP C.B.A. (A,B,C,D,G,H,I) | RTL           |
| E20         | LSEP2009A | HEAD AMP C.B.A. ( E,F,J )       | RTL           |
| E50         | LRP63004D | CRT C.B.A. ( A,B,C,D,E,F )      | RTL           |
| <b>E</b> 50 | LRP63022B | CRT C.B.A. ( G,H,I,J )          | RTL           |

# 12.3.1. TV/VCR MAIN C.B.A.

(Model: A, B, C, D, E, F, G, H, I)

# **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | E    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

INTEGRATED CIRCUITS

| Ref.   | Part No.     | Part Name & Description    | Remarks     |
|--------|--------------|----------------------------|-------------|
| No.    |              |                            |             |
| IC451  | C1AA00000024 | IC, LINEAR                 |             |
| IC501  | CNC1S101R1KT | IC, LINEAR                 | $\triangle$ |
| IC501  | CNC1S101S1KT | IC, LINEAR                 | Δ           |
| IC502  | CNC1S101R1KT | IC, LINEAR ( A,B,C,D,E,F ) | Δ           |
| IC502  | CNC1S101R2KT | IC, LINEAR ( G,H,I )       | $\triangle$ |
| IC801  | C5HABZZ00051 | IC, LINEAR                 | $\triangle$ |
| IC1001 | CNC1S101R1KT | IC, LINEAR                 | Δ           |
| IC1001 | CNC1S101S1KT | IC, LINEAR                 | Δ           |
| IC1002 | CODAEMZ00005 | IC, LINEAR                 |             |
| IC1002 | BlazkD000001 | IC, LINEAR                 |             |
| IC1002 | CODAEMZ00001 | IC, LINEAR                 |             |
| IC3001 | AN3479FBP-A  | IC, LINEAR                 |             |
| IC3201 | MN3885S      | IC, CCD 1H DELAY           | E.S.D.      |
| IC4501 | C1AA00000652 | IC, LINEAR                 |             |
| IC5301 | AN15167A-VT  | IC, LINEAR                 |             |
| IC6001 | MN101D06FCC  | IC, 8BIT MICROCONTROLLER   | E.S.D.      |
| IC6002 | B3NAA0000049 | PHOTO INTERRUPUTER         |             |
| IC6003 | B3NAA0000049 | PHOTO INTERRUPUTER         |             |
| IC6004 | LSSK0026     | IC, 1K EEP ROM             | E.S.D.      |
| IC6005 | C0EBJ0000080 | IC, CMOS STANDARD LOGIC    | E.S.D.      |
| IC6005 | C0EBJ0000099 | IC, CMOS STADNARD LOGIC    | E.S.D.      |
| IC6005 | RN5VS47CA-TR | IC, CMOS STANDARD LOGIC    | E.S.D.      |

| Ref.<br>No. | Part No.     | Part Name & Description         | Remarks |
|-------------|--------------|---------------------------------|---------|
| Q431        | 2SA733-TQ    | TRANSISTOR SI PNP               |         |
| Q431        | 2SA1175      | TRANSISTOR SI PNP               |         |
| Q431        | 2SA1175-TH   | TRANSISTOR SI PNP               |         |
| Q501        | B1AACN000013 | TRANSISTOR SI NPN               |         |
| Q531        | 2SA733-TQ    | TRANSISTOR SI PNP               |         |
| Q531        | 2SA1175      | TRANSISTOR SI PNP               |         |
| Q531        | 2SA1175-TH   | TRANSISTOR SI PNP               |         |
| Q532        | 2SC945A-TQ   | TRANSISTOR SI NPN               |         |
| Q532        | 2SC2785-TH   | TRANSISTOR SI NPN               |         |
| Q532        | 2SC2785-TJ   | TRANSISTOR SI NPN               |         |
| Q551        | B1BAET000006 | TRANSISTOR SI NPN (A,B,C,D,E,F) | Δ       |
| Q551        | B1GARRAB0001 | TRANSISTOR SI NPN ( G,H,I )     | Δ       |
| Q571        | 2SD0601A0L   | TRANSISTOR SI NPN CHIP          |         |
| Q571        | B1ABCF000011 | TRANSISTOR SI NPN CHIP          |         |
| Q571        | B1ABCF000106 | TRANSISTOR SI NPN CHIP          |         |
| Q571        | B1ABCF000107 | TRANSISTOR SI NPN CHIP          |         |
| Q581        | B1ACBM000001 | TRANSISTOR SI NPN               |         |
| Q581        | 2SA17670QA   | TRANSISTOR SI PNP CHIP          |         |
| Q581        | 2SB12210QA   | TRANSISTOR SI PNP CHIP          |         |
| Q801        | 2SC945A-TKA  | TRANSISTOR SI NPN               |         |
| Q801        | 2SC1684-Q    | TRANSISTOR SI NPN               |         |
| Q801        | 2SC1684-S    | TRANSISTOR SI NPN               |         |
| Q801        | 2SC16840RA   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC2785-TE   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC2785-TF   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC2785-TH   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC2785-TJ   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC2785-TK   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC3311AQA   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC3311ARA   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC3311ASA   | TRANSISTOR SI NPN               |         |
| Q801        | 2SC945A-TPA  | TRANSISTOR SI NPN               |         |
| Q801        | 2SC945A-TQA  | TRANSISTOR SI NPN               |         |
| Q1001       | 2SC4953001KT | TRANSISTOR SI NPN               | Δ       |
| Q1001       | B1BADP000012 | TRANSISTOR SI NPN               | Δ       |
| Q1001       | 2SC4533003KT | TRANSISTOR SI NPN               | Δ       |
| Q1001       | 2SC5842001KT | TRANSISTOR SI NPN               | Δ       |
| Q1002       | 2SD225900A   | TRANSISTOR SI NPN               |         |
| Q1051       | B1BACC000010 | TRANSISTOR SI PNP CHIP          |         |
| Q1051       | 2SD1581-T    | TRANSISTOR SI NPN               |         |
| Q1052       | 2SD0601AHL   | TRANSISTOR SI NPN CHIP          |         |
| 21052       | B1ABCF000011 | TRANSISTOR SI NPN CHIP          |         |
| 2<br>Q1052  | B1ABCF000106 | TRANSISTOR SI NPN CHIP          |         |
| Q1053       | 2SD235800A   | TRANSISTOR SI NPN CHIP          |         |
| Q1053       | B1AAQB000002 | TRANSISTOR SI NPN CHIP          |         |
| Q3001       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP          |         |

|             | 1            |                         |         |
|-------------|--------------|-------------------------|---------|
| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
| Q3001       | BladCF000063 | TRANSISTOR SI PNP CHIP  |         |
| Q3001       | BladCF000075 | TRANSISTOR SI PNP CHIP  |         |
| Q3001       | B1ADCF000076 | TRANSISTOR SI PNP CHIP  |         |
| Q3002       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q3002       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  |         |
| Q3002       | B1ABCF000111 | TRANSISTOR SI NPN CHIP  |         |
| Q3002       | B1ABCF000112 | TRANSISTOR SI NPN CHIP  |         |
| Q3301       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q3301       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  |         |
| Q3301       | B1ABCF000111 | TRANSISTOR SI NPN CHIP  |         |
| Q3301       | B1ABCF000112 | TRANSISTOR SI NPN CHIP  |         |
| Q4001       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q4001       | B1ADCF000063 | TRANSISTOR SI PNP CHIP  |         |
| Q4001       | B1ADCF000075 | TRANSISTOR SI PNP CHIP  |         |
| Q4001       | B1ADCF000076 | TRANSISTOR SI PNP CHIP  |         |
| Q4002       | 2SD1819AHL   | TRANSISTOR SI NPN CHIP  |         |
| Q4002       | B1ABCF000112 | TRANSISTOR SI NPN CHIP  |         |
| Q4003       | 2SD1819AHL   | TRANSISTOR SI NPN CHIP  |         |
| Q4003       | B1ABCF000112 | TRANSISTOR SI NPN CHIP  |         |
| Q4101       | 2SD0601ARL   | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | B1ABCF000106 | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | B1ABCF000107 | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | B1ABCF000111 | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | B1ABCF000112 | TRANSISTOR SI NPN CHIP  |         |
| Q5901       | 2SD225900A   | TRANSISTOR SI NPN       |         |
| Q6001       | 2SB0709A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q6001       | BladCF000001 | TRANSISTOR SI PNP CHIP  |         |
| Q6002       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6002       | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q6003       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6003       | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q6004       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q6004       | B1ADCF000063 | TRANSISTOR SI PNP CHIP  |         |
| Q6005       | 2SB0709A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q6005       | B1ADCF000001 | TRANSISTOR SI PNP CHIP  |         |
| Q6006       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6009       | VEKS5707     | PHOTO SENSOR UNIT       |         |
| Q6010       | VEKS5707     | PHOTO SENSOR UNIT       |         |

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| Ref. | Part No.     | Part Name & Description | Remarks |
|------|--------------|-------------------------|---------|
| No.  |              |                         |         |
| D401 | BOEAKL000049 | DIODE SI                |         |
| D401 | B0EAKL000044 | DIODE SI                |         |
| D401 | B0EAKL000045 | DIODE SI                |         |
| D502 | MA2C165001VT | DIODE SI                |         |
| D502 | B0AACK000004 | DIODE SI                |         |
| D502 | 188119       | DIODE SI                |         |
| D503 | B0HAGP000011 | DIODE SI                |         |
| D503 | В0НАЈР000012 | DIODE SI                |         |
| D504 | MAZ40470MF   | DIODE ZENER 4.7V        |         |
| D504 | MAZ40470HF   | DIODE ZENER 4.7V        |         |
| D504 | RD4.7ESAB    | DIODE ZENER 4.7V        |         |
| D504 | RD4.7ESAB2   | DIODE ZENER 4.7V        |         |
| D504 | 04AZ4.7ZTPA7 | DIODE ZENER 4.7V        |         |
| D507 | MA2C165001VT | DIODE SI                |         |
| D507 | B0AACK000004 | DIODE SI                |         |
| D507 | 188119       | DIODE SI                |         |
| D553 | B0HAGP000011 | DIODE SI                |         |
| D553 | В0НАЈР000012 | DIODE SI                |         |
| D554 | B0AAEL000001 | DIODE SI                |         |
| D554 | MA2C16700E   | DIODE SI                |         |
| D556 | MA2C18500E   | DIODE SI                |         |
| D558 | B0HAGP000011 | DIODE SI                |         |
| D558 | В0НАЈР000012 | DIODE SI                |         |
| D560 | ERB44-04V    | DIODE SI                |         |
| D571 | MAZ40470MF   | DIODE ZENER 4.7V        |         |
| D571 | B0BA4R600003 | DIODE ZENER 4.7V        |         |
| D571 | RD4.7ESAB2   | DIODE ZENER 4.7V        |         |
| D572 | MAZ4110NHF   | DIODE ZENER 11V         |         |

| Ref.<br>No.   | Part No.   | Part Name & Description   | Remarks     |
|---|--|---|-------------|
| D573  | MA2C165001VT   | DIODE SI  |             |
| D573  | B0AACK000004   | DIODE SI  |             |
| D573  | 155119   | DIODE SI  |             |
| D574  | MA2C165001VT   | DIODE SI  |             |
| D574  | BOAACK000004   | DIODE SI  |             |
| D574  | 188119   | DIODE SI  |             |
| D591  | D4DDF5R00002   | THERMISTOR  | <u> </u>    |
| D591  | VRPSKF5JM050   | THERMISTOR  | <u> </u>    |
| D801<br>D801  | BOAAKTOOOO10<br>BOAAKTOOOOO9   | DIODE SI<br>DIODE SI  | $\Delta$    |
| D801  | BORAKTOOOOO7   | DIODE SI  | $\triangle$ |
| D801  | B0EAKT000027   | DIODE SI  | $\triangle$ |
| D801  | B0EAKT000030   | DIODE SI  | <u> </u>    |
| D801  | B0EALT000004   | DIODE SI  | Δ           |
| D802  | B0AAKT000010   | DIODE SI  | Δ           |
| D802  | B0AAKT000009   | DIODE SI  | Δ           |
| D802  | B0EAKT000007   | DIODE SI  | Δ           |
| D802  | BOEAKT000027   | DIODE SI  | <u> </u>    |
| D802  | BOEAKT000030   | DIODE SI  | <u> </u>    |
| D802  | BOEALT000004   | DIODE SI  | <u> </u>    |
| D803  | BOAAKTOOOO10   | DIODE SI  | <u> </u>    |
| D803<br>D803  | BOAAKTOOOOO9<br>BOEAKTOOOOO7   | DIODE SI<br>DIODE SI  | $\Delta$    |
| D803  | B0EAKT000007   | DIODE SI  | <u> </u>    |
| D803  | BOEAKTOOOO30   | DIODE SI  | Δ           |
| D803  | BOEALTOOOOO4   | DIODE SI  | $\triangle$ |
| D804  | B0AAKT000010   | DIODE SI  | <u></u>     |
| D804  | B0AAKT000009   | DIODE SI  | Δ           |
| D804  | B0EAKT000007   | DIODE SI  | Δ           |
| D804  | B0EAKT000027   | DIODE SI  | $\triangle$ |
| D804  | B0EAKT000030   | DIODE SI  | Δ           |
| D804  | B0EALT000004   | DIODE SI  | Δ           |
| D805  | MA2C16700E   | DIODE SI  |             |
| D805  | BOAAEL000001   | DIODE SI  |             |
| D881  | ERZV10V361CS   | SURGE ABSORBER  | <u> </u>    |
| D881<br>D882  | D4EAA3610001<br>ERZV10V361CS   | SURGE ABSORBER SURGE ABSORBER   | $\triangle$ |
| D882  | D4EAA3610001   | SURGE ABSORBER  | Δ           |
| D1001   | DB105G   | DIODE SI  | Δ           |
| D1001   | B0EBKR000003   | DIODE SI  | Δ           |
| D1001   | B0EBKR000020   | DIODE SI  | Δ           |
| D1001   | B0EBKR000024   | DIODE SI  | $\triangle$ |
| D1002   | B0HAHP000014   | DIODE SI  |             |
| D1002   | B0HAJP000007   | DIODE SI  |             |
| D1002   | B0HAMP000061   | DIODE SI  |             |
| D1002   | B0HAMP000069   | DIODE SI  |             |
| D1003   |  |   |             |
| D1003   | B0HAHP000014   | DIODE SI  |             |
| D1003   | вонајрооооо7   | DIODE SI<br>DIODE SI  |             |
| D1003   | B0HAJP000007<br>B0HAMP000061   | DIODE SI<br>DIODE SI  |             |
| D1003<br>D1003  | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069   | DIODE SI DIODE SI DIODE SI  |             |
| D1003<br>D1003<br>D1005   | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069<br>B0HAHP000014   | DIODE SI DIODE SI DIODE SI DIODE SI   |             |
| D1003<br>D1003  | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069   | DIODE SI DIODE SI DIODE SI  |             |
| D1003<br>D1003<br>D1005<br>D1005  | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069<br>B0HAHP000014<br>B0HAJP000007   | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI  |             |
| D1003<br>D1003<br>D1005<br>D1005<br>D1005   | B0HAJF000007<br>B0HAMF000061<br>B0HAMF000069<br>B0HAHF000014<br>B0HAJF000007<br>B0HAMF000061   | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI  |             |
| D1003<br>D1003<br>D1005<br>D1005<br>D1005<br>D1005  | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069<br>B0HAHP000014<br>B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069   | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI   |             |
| D1003<br>D1003<br>D1005<br>D1005<br>D1005<br>D1005  | B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069<br>B0HAHP000014<br>B0HAJP000007<br>B0HAMP000061<br>B0HAMP000069<br>B0HAML000015   | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI   |             |
| D1003 D1003 D1005 D1005 D1005 D1005 D1006 D1006 D1008 D1008   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049   | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI  |             |
| D1003 D1003 D1005 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011  | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI  |             |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1006 D1008 D1008 D1008 D1008   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011 B0JANE000012  | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI  |             |
| D1003 D1003 D1005 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1008 D1008 D1008   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011 B0JANE000012   | DIODE SI  | Δ.          |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1008 D1015 D1015   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011 B0JANE000022 MA2180LA B0BA01800025  | DIODE SI DIODE ZENER 18V   | Δ           |
| D1003 D1003 D1005 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1008 D1008 D1008   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011 B0JANE000012   | DIODE SI  |             |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1008 D1015 D1015 D1015   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JAME000011 B0JANE000022 MA2180LA B0BA01800025  | DIODE SI DIODE ZENER 18V DIODE ZENER 18V  | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1015 D1015 D1015 D1015   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000011 B0JANE000022 MA2180LA B0BA01800025 1N4746A-T 1N4746ARL   | DIODE SI DIODE ZENER 18V DIODE ZENER 18V  | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1015 D1015 D1015 D1015 D1015   | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JAME000011 B0JANE000022 MA2180LA B0BA01800025 1N4746A-T 1N4746ARL MA2C165001VT  | DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V  | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1008 D1015 D1015 D1015 D1015 D1015 D1016 D1016                                     | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000011 B0JANE000011 B0JANE000022 MA2180LA B0BA01800025 1N4746A-T 1N4746ARL MA2C165001VT B0AACK000004   | DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI  | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1015 D1015 D1015 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1017       | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000011 B0JAME000011 B0JAME000011 B0JAME000011 B0JAME000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000011 B0JAME0000001 B0JAME0000001 B0JAME0000001 B0JAME0000001 B0JAME0000001 | DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI                                  | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1015 D1015 D1015 D1015 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1017 D4171 D4171 | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000022 MA2180LA B0BA01800025 1N4746A-T 1N4746ARL MA2C165001VT B0AACK000004 BSS119 MAZ4110NHF MA2C165001VT B0AACK000004  | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1015 D1015 D1015 D1015 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1017 D4171 D4171 | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000069 B0HAML000015 B0HAML000015 B0HAML000012 B0JAME000049 B0JAME000022 MA2180LA B0BA01800025 IN4746A-T IN4746ARL MA2C165001VT B0AACK000004 1SS119 MAZ4110NHF MA2C165001VT B0AACK000004 1SS119  | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI               | Δ<br>Δ      |
| D1003 D1003 D1005 D1005 D1005 D1006 D1006 D1008 D1008 D1008 D1015 D1015 D1015 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1016 D1017       | B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAHP000014 B0HAJP000007 B0HAMP000061 B0HAMP000069 B0HAML000015 B0HAML000012 B0JAME000079 B0JAME000049 B0JANE000022 MA2180LA B0BA01800025 1N4746A-T 1N4746ARL MA2C165001VT B0AACK000004 BSS119 MAZ4110NHF MA2C165001VT B0AACK000004  | DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE ZENER 18V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI | Δ<br>Δ      |

| Ref.<br>No. | Part No.     | Part Name & Description     | Remarks |
|-------------|--------------|-----------------------------|---------|
| D4591       | MAZ4110NHF   | DIODE ZENER 11V             |         |
| D4592       | MAZ41100LF   | DIODE ZENER 11V             |         |
| D4592       | MAZ4110NHF   | DIODE ZENER 11V             |         |
| D5501       | MAZ40620L1KT | DIODE ZENER 6.2V            | ⚠       |
| D5602       | MA2C165001VT | DIODE SI                    |         |
| D5602       | B0AACK000004 | DIODE SI                    |         |
| D5602       | 188119       | DIODE SI                    |         |
| D5603       | MA2C165001VT | DIODE SI                    |         |
| D5603       | B0AACK000004 | DIODE SI                    |         |
| D5603       | 188119       | DIODE SI                    |         |
| D6001       | VEKS5708     | SENSOR LED UNIT             |         |
| D6003       | MA2C165001VT | DIODE SI                    |         |
| D6003       | B0AACK000004 | DIODE SI                    |         |
| D6003       | 188119       | DIODE SI                    |         |
| D6005       | MA2C165001VT | DIODE SI                    |         |
| D6005       | B0AACK000004 | DIODE SI                    |         |
| D6005       | 188119       | DIODE SI                    |         |
| D6301       | B3AAA0000538 | LIGHT EMITTING DIODE RED    |         |
| D6302       | B3ACA0000192 | LIGHT EMITTING DIODE ORANGE |         |
| D6303       | B3ABA0000400 | LIGHT EMITTING DIODE GREEN  |         |

| Ref.<br>No. | Part No.     | Part Name & Description                           | Remarks  |
|-------------|--------------|---|----------|
| R401        | ERDS2TJ821   | CARBON 1/4W 820 ( A,B,C,D,E,F)                    |          |
| R401        | ERDS2TJ471   | CARBON 1/4W 470 ( G,H,I )                         |          |
| R402        | ERJ6GEYJ183V | MGF CHIP 1/10W 18K (A,B,C,D,E,F)                  |          |
| R402        | ERJ6GEYJ223V | MGF CHIP 1/10W 22K ( G,H,I )                      |          |
| R409        | ERJ6GEYJ273V | MGF CHIP 1/10W 27K (<br>A,B,C,D,E,F)              |          |
| R409        | ERJ6GEYJ333V | MGF CHIP 1/10W 33K ( G,H,I )                      |          |
| R410        | ERDS2TJ152   | CARBON 1/4W 1.5K (A,B,C,D,E,F)                    |          |
| R410        | ERDS2TJ392   | CARBON 1/4W 3.9K ( G,H,I )                        |          |
| R411        | ERJ6GEYJ823V | MGF CHIP 1/10W 82K                                |          |
| R413        | ERJ6GEYJ183V | MGF CHIP 1/10W 18K (A,B,C,D,E,F)                  |          |
| R413        | ERJ6GEYJ273V | MGF CHIP 1/10W 27K ( G,H,I )                      |          |
| R414        | ERDS1FJ2R2   | CARBON 1/2W 2.2 ( A,B,C,D,E,F)                    | Δ        |
| R414        | ERDS1FJ1R2P  | CARBON 1/2W 1.2 ( G,H,I )                         | Δ        |
| R422        | ERD25FJ101P  | CARBON 1/4W 100                                   | ⚠        |
| R427        | ERQ14ZJ1R5P  | FUSE 1/4W 1.5( A,B,C,D,E,F )                      | ⚠        |
| R427        | ERQ14AJ5R6P  | FUSE 1/4W 5.6 ( G,H,I )                           | ⚠        |
| R431        | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                                |          |
| R432        | ERJ6GEYJ473V | MGF CHIP 1/10W 47K (A,B,C,D,E,F)                  |          |
| R432        | ERJ6GEYJ563V | MGF CHIP 1/10W 56K ( G,H,I )                      |          |
| R433        | ERJ6GEYJ153V | MGF CHIP 1/10W 15K                                |          |
| R434        | ERDS2TJ103   | CARBON 1/4W 10K                                   |          |
| R435        | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                                 |          |
| R436        | ERJ6GEYJ104V | MGF CHIP 1/10W 100K                               |          |
| R466        | ERJ6GEYJ683V | MGF CHIP 1/10W 68K                                |          |
| R468        | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                                 |          |
| R471        | ERDS1FJ152P  | CARBON 1/2W 1.5K                                  | ⚠        |
| R472        | ERDS2TJ332   | CARBON 1/4W 3.3K                                  |          |
| R480        | ERDS2TJ332   | CARBON 1/4W 3.3K ( G,H,I )                        |          |
| R501        | ERJ6GEYJ471V | MGF CHIP 1/10W 470                                |          |
| R502        | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K                               |          |
| R503        | EROS2THF9101 | PRECISION METAL FILM 1/4W<br>9.1K ( A,B,C,D,E,F ) | Δ        |
| R503        | EROS2TKF9101 | PRECISION METAL FILM 1/4W<br>9.1K ( A,B,C,D,E,F ) | Δ        |
| R503        | VRESR4TF9101 | PRECISION METAL FILM 1/4W<br>9.1K ( A,B,C,D,E,F ) | Δ        |
| R503        | EROS2THF8201 | PRECISION METAL FILM 1/4W<br>8.2K (G,H,I)         | Δ        |
| R503        | EROS2TKF8201 | PRECISION METAL FILM 1/4W<br>8.2K (G,H,I)         | Δ        |
| R503        | VRESR4TF8201 | PRECISION METAL FILM 1/4W<br>8.2K (G,H,I)         | <b>A</b> |
| R504        | ERJ6GEY0R00V | MGF CHIP 1/10W 0                                  |          |
| R505        | ERDS2TJ561   | CARBON 1/4W 560                                   |          |
| R509        | ERDS2TJ101   | CARBON 1/4W 100                                   |          |

|   |                            |                                     | <u>[</u>    |
|---|----------------------------|-------------------------------------|-------------|
| Ref.<br>No.                                   | Part No.                   | Part Name & Description             | Remarks     |
| R511  | ERG2ANJ222H                | METAL OXIDE 2W 2.2K                 |             |
| R516  | LAR05272J09                | W FLMPRF 5W 2.7K (                  |             |
|   |                            | A,B,C,D,E,F )                       |             |
| R516  | LAR05222J09                | W FLMPRF 5W 2.2K ( G,H,I )          |             |
| R5 <b>1</b> 7                                 | ERDS2TJ472                 | CARBON 1/4W 4.7K                    |             |
| R519  | ERDS2TJ123                 | CARBON 1/4W 12K                     |             |
| R520  | ERDS2TJ562                 | CARBON 1/4W 5.6K                    |             |
| R525  | ERDS2TJ122                 | CARBON 1/4W 1.2K                    |             |
| R529  | ERDS2TJ103                 | CARBON 1/4W 10K                     |             |
| R531  | ERDS2TJ223                 | CARBON 1/4W 22K                     |             |
| R533  | ERDS2TJ332                 | CARBON 1/4W 3.3K (A,B,C,D,E,F)      |             |
| R533  | ERDS2TJ152                 | CARBON 1/4W 1.5K ( G,H,I )          |             |
| R534  | ERDS2TJ681                 | CARBON 1/4W 680                     |             |
| R535  | ERDS2TJ471                 | CARBON 1/4W 470                     |             |
| R536  | ERG2ANJ153H                | METAL OXIDE 2W 15K                  |             |
| R536  | ERG2ANJP153H               | METAL OXIDE 2W 15K                  |             |
| R537  | ERG2ANJ153H                | METAL OXIDE 2W 15K                  |             |
| R537  | ERG2ANJP153H               | METAL OXIDE 2W 15K                  |             |
| R538  | ERDS2TJ473                 | CARBON 1/4W 47K                     |             |
| R539  | ERDS2TJ473                 | CARBON 1/4W 47K                     |             |
| R540  | ERDS2TJ562                 | CARBON 1/4W 4/K                     |             |
| R541  | ERDS2TJ222                 | CARBON 1/4W 3.6K                    |             |
| R541<br>R542                                  | ERDS2TJ222<br>ERDS2TJ473   | CARBON 1/4W 2.2K<br>CARBON 1/4W 47K |             |
|   |                            | ·                                   |             |
| R543  | ERDS2TJ102                 | CARBON 1/4W 1K                      |             |
| R544  | ERDS2TJ101                 | CARBON 1/4W 100                     |             |
| R545  | ERDS2TJ152                 | CARBON 1/4W 1.5K                    |             |
| R546  | ERDS2TJ223                 | CARBON 1/4W 22K                     |             |
| R552  | ERDS2TJ472                 | CARBON 1/4W 4.7K                    |             |
| R553  | ERDS2TJ102                 | CARBON 1/4W 1K                      |             |
| R554  | ERDS2TJ103                 | CARBON 1/4w 10k ( A,B,C,D,E,F)      |             |
| R554  | ERDS2TJ123                 | CARBON 1/4W 12K ( G,H,I )           |             |
| R555  | ERDS2TJ154                 | CARBON 1/4W 150K (<br>A,B,C,D,E,F)  |             |
| R555  | ERDS2TJ823                 | CARBON 1/4W 82K ( G,H,I )           |             |
| R556  | ERDS2TJ823                 | CARBON 1/4W 82K                     |             |
| R557  | ERG2SJ471H                 | METAL OXIDE 2W 470 (A,B,C,D,E,F)    |             |
| R557  | ERG2SJ331H                 | METAL OXIDE 2W 330 ( G,H,I )        |             |
| R558  | ERG2ANJ471H                | METAL OXIDE 2W 470 (A,B,C,D,E,F)    |             |
| R558  | ERG2ANJ561H                | METAL OXIDE 2W 560 ( G,H,I )        |             |
| R559  | ERDS2TJ123                 | CARBON 1/4W 12K ( G,H,I )           |             |
| R561  | ERQ1CJP2R2S                | FUSE 1W 2.2 ( A,B,C,D,E,F )         | A           |
| R561  |                            | FUSE 1W 0.47 ( G,H,I )              | <u> </u>    |
|   | ERQ1CKPR47S<br>ERF2AK3R9P  | W FLMPRF 2W 3.9 ( G,H,I )           | <u> </u>    |
| R562  |                            |                                     |             |
| R571  | ERDS2TJ101                 | CARBON 1/4W 100                     |             |
| R572  | ERJ6GEYJ331V               | MGF CHIP 1/10W 330                  |             |
| R573  | ERDS2TJ221                 | CARBON 1/4W 220                     |             |
| R574  | ERJ6GEYJ273V               | MGF CHIP 1/10W 27K                  |             |
| R581  | ERDS1FJ2R2                 | CARBON 1/2W 2.2 ( A,B,C,D,E,F)      | Δ           |
| R581  | ERDS1FJ1R5P                | CARBON 1/2W 1.5 ( G,H,I )           | Δ           |
| R582  | ERDS1FJ3R9P                | CARBON 1/2W 3.9 ( A,B,C,D,E,F)      | Δ           |
| R582  | ERDS1FJ1R5P                | CARBON 1/2W 1.5 ( G,H,I )           | $\triangle$ |
| R584  | ERDS2TJ562                 | CARBON 1/4W 5.6K (A,B,C,D,E,F)      |             |
| R584  | ERDS2TJ272                 | CARBON 1/4W 2.7K ( G,H,I )          |             |
| R585  | ERDS2TJ473                 | CARBON 1/4W 47K                     |             |
| R586  | ERDS2TJ393                 | CARBON 1/4W 39K                     |             |
| R801  | ERF3AKR82                  | W FLMPRF 3W 0.82                    | Δ           |
| R802  | ERDS1FJ103P                | CARBON 1/2W 10K                     | Δ           |
| R802  | ERDS1FPJ103                | CARBON 1/2W 10K                     | Δ           |
| R804  | ERF10ZJ331                 | W FLMPRF 10W 330 (<br>A,B,C,D,E,F)  |             |
| R804  | ERF15ZJ181                 | W FLMPRF 15W 180 ( G,H,I )          |             |
|   |                            |                                     |             |
| R805  | ERDS2TJ104                 | CARBON 1/4W 100K                    | A           |
|   | ERQ14AJ470P                | FUSE 1/4W 47                        | <u> </u>    |
|   | ERDS2TJ103                 | CARBON 1/4W 10K                     |             |
| R810  |                            |                                     |             |
| R810<br>R813                                  | ERDS2TJ104                 | CARBON 1/4W 100K                    | A           |
| R810<br>R813<br>R818                          | ERDS2TJ104<br>VRESC2TK825T | CARBON 1/2W 8.2M                    | Δ           |
| R806<br>R810<br>R813<br>R818<br>R865<br>R1003 | ERDS2TJ104                 |                                     | Δ           |

| Ref.<br>No.    | Part No.                     | Part Name & Description                           | Remarks     |
|----------------|------------------------------|---|-------------|
| R1004          | ERG2SJ333H                   | METAL OXIDE 2W 33K                                |             |
| R1005          | ERG1SJ560P                   | METAL OXIDE 1W 56                                 |             |
| R1006          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                               |             |
| R1007          | ERDS2TJ101                   | CARBON 1/4W 100                                   |             |
|                | ERDS2TJ392                   | CARBON 1/4W 3.9K                                  |             |
| R1010          | ERD25FJ100P                  | CARBON 1/4W 10                                    | <u> </u>    |
| R1010          | ERD25FPJ100P                 | CARBON 1/4W 10                                    | Δ           |
| R1010          | VRESF4FJ100P                 | CARBON 1/4W 10                                    | Δ.          |
| R1014<br>R1015 | ERJ6GEYJ221V<br>ERJ6GEYJ222V | MGF CHIP 1/10W 220<br>MGF CHIP 1/10W 2.2K         | +           |
| R1016          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 |             |
| R1017          | D1BD2431A016                 | MGF CHIP 1/10W 2.43K                              |             |
| R1018          | D0HD222ZA002                 | MGF CHIP 1/10W 2.2K                               |             |
| R1025          | ERDS2TJ300T                  | CARBON 1/4W 30                                    |             |
| R1026          | ERDS2TJ300T                  | CARBON 1/4W 30                                    |             |
| R1051          | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                               |             |
| R1052          | ERDS2TJ153                   | CARBON 1/4W 15K                                   |             |
| R1053          | ERDS2TJ153                   | CARBON 1/4W 15K                                   |             |
| R1057          | ERDS2TJ331                   | CARBON 1/4W 330                                   |             |
| R1058          | ERJ6GEYJ104V                 | MGF CHIP 1/10W 100K                               |             |
| R3001          | ERDS2TJ101                   | CARBON 1/4W 100                                   |             |
| R3006          | ERDS2TJ101                   | CARBON 1/4W 100                                   |             |
| R3016          | ERJ6GEYJ121V                 | MGF CHIP 1/10W 120                                |             |
|                | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                                | 1           |
| R3024          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                                |             |
| R3025          | ERJ6GEYJ125V                 | MGF CHIP 1/10W 1.2M                               | 1           |
|                |                              | MGF CHIP 1/10W 470K                               | -           |
| R3028          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                               |             |
|                | ERJ6GEYJ151V                 | MGF CHIP 1/10W 150                                |             |
|                | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                               |             |
|                | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                                | +           |
| R3036          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 | +           |
| R3037<br>R3038 | ERJ6GEYJ102V<br>ERJ6GEYJ222V | MGF CHIP 1/10W 1K                                 |             |
| R3038          | ERJ6GEYG562V                 | MGF CHIP 1/10W 2.2K<br>MGF CHIP ( A,B,C,D,G,H,I ) |             |
| R3044          | ERJ6GEYG222V                 |   | (           |
| R3047          | ERJ6GEYG102V                 | A,B,C,D,G,H,I)                                    |             |
|                |                              | A,B,C,D,G,H,I )                                   | Ì           |
| R3077          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                                |             |
| R3084          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 |             |
| R3086          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                                |             |
| R3091          | ERJ6GEYJ750V                 | MGF CHIP 1/10W 75                                 |             |
| R3301          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                               |             |
| R3302          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K                                |             |
| R3303          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                               | -           |
| R4001          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                                |             |
| R4002          | ERJ6GEYJ334V                 | MGF CHIP 1/10W 330K                               |             |
| R4003          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                                | +           |
| R4004          | ERJ6GEYJ333V                 | MGF CHIP 1/10W 33K                                | +           |
| R4005          | ERJ6GEYJ225V                 | MGF CHIP 1/10W 2.2M                               | +           |
| R4006          | ERJ6GEYJ681V<br>ERJ6GEYJ821V | MGF CHIP 1/10W 680<br>MGF CHIP 1/10W 820          |             |
| R4007<br>R4008 | ERJ6GEYJ273V                 | MGF CHIP 1/10W 820<br>MGF CHIP 1/10W 27K          | +           |
| R4008          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 27K                                | +           |
| R4010          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                                | +           |
| R4011          | ERJ6GEYJ682V                 | MGF CHIP 1/10W 6.8K                               | 1           |
| R4012          | ERJ6GEYJ682V                 | MGF CHIP 1/10W 6.8K                               |             |
| R4014          | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                               |             |
| R4015          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                               |             |
| R4018          | ERJ6GEYJ123V                 | MGF CHIP 1/10W 12K                                |             |
| R4021          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                                |             |
| R4101          | ERJ6GEYJ563V                 | MGF CHIP 1/10W 56K                                |             |
| R4102          | ERJ6GEYJ154V                 | MGF CHIP 1/10W 150K                               |             |
| R4103          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K                                |             |
| R4172          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 |             |
| R4175          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 |             |
| R4502          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                                 |             |
| R4504          | ERJ6GEYJ823V                 | MGF CHIP 1/10W 82K                                |             |
| R4509          | ERDS2TJ100                   | CARBON 1/4W 10                                    |             |
| R4521          | ERQ1ABJP4R7S                 | FUSE 1W 4.7                                       | $\triangle$ |
|                | PR TECRYOROOM                | MGF CHIP 1/10W 0                                  | 1           |
| R4523          | ERJ6GEY0R00V                 |   |             |

| Ref.           | Part No.                     | Part Name & Description                   | Remarks  |
|----------------|------------------------------|---|----------|
| No.<br>R4592   | ERDS2TJ681                   | CARBON 1/4W 680                           |          |
| R4592<br>R4593 | ERDS2TJ681                   | CARBON 1/4W 680                           |          |
| R4594          | ERDS2TJ681                   | CARBON 1/4W 680                           |          |
| R4701          | ERJ6GEYJ561V                 | MGF CHIP 1/10W 560                        |          |
| R5301          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                        |          |
| R5304          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                        |          |
| R5305          | ERJ6GEYJ224V                 | MGF CHIP 1/10W 220K                       |          |
| R5306          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                        |          |
| R5308<br>R5309 | ERJ6GEYJ563V<br>ERJ6GEYJ274V | MGF CHIP 1/10W 56K<br>MGF CHIP 1/10W 270K |          |
| R5311          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 270K                       |          |
| R5312          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                        |          |
| R5313          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                        |          |
| R5314          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                       |          |
| R5315          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                       |          |
| R5316          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                       |          |
| R5317          | ERDS2TJ101                   | CARBON 1/4W 100                           |          |
| R5324          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        |          |
| R5401          | ERJ6GEYJ561V                 | MGF CHIP 1/10W 560                        | 1        |
| R5402<br>R5403 | ERJ6GEYJ394V<br>ERJ6GEYJ221V | MGF CHIP 1/10W 390K<br>MGF CHIP 1/10W 220 | +        |
| R5405          | ERJ6GEYJ822V                 | MGF CHIP 1/10W 220<br>MGF CHIP 1/10W 8.2K | 1        |
| R5406          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        | 1        |
| R5501          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                        |          |
| R5502          | ERJ6GEYJ394V                 | MGF CHIP 1/10W 390K                       |          |
| R5503          | ERDS2TJ471                   | CARBON 1/4W 470                           |          |
| R5504          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        | 1.       |
| R5505          | ERJ6ENF3241V                 | MGF CHIP 1/10W 3.24K                      | <u> </u> |
| R5506          | ERDS2TJ473                   | CARBON 1/4W 47K                           | -        |
| R5508          | ERJ6GEYJ561V                 | MGF CHIP 1/10W 560                        | -        |
| R5510<br>R5511 | ERJ6GEYJ101V<br>ERJ6GEYJ222V | MGF CHIP 1/10W 100<br>MGF CHIP 1/10W 2.2K | +        |
| R5512          | ERDS2TJ151                   | CARBON 1/4W 150                           |          |
| R5513          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        |          |
| R5601          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                       |          |
| R5604          | ERJ6GEYJ332V                 | MGF CHIP 1/10W 3.3K                       |          |
| R5611          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                        |          |
| R5612          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                        |          |
| R5614          | ERJ6GEYJ563V                 | MGF CHIP 1/10W 56K                        |          |
| R5902          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K<br>MGF CHIP 1/10W 100   |          |
| R5932<br>R5933 | ERJ6GEYJ101V<br>ERJ6GEYJ101V | MGF CHIP 1/10W 100<br>MGF CHIP 1/10W 100  |          |
| R6001          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                        |          |
| R6002          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                        |          |
| R6003          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         |          |
| R6004          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         |          |
| R6005          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                        |          |
| R6007          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                        |          |
| R6008          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | 1        |
| R6014          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | +        |
| R6015<br>R6016 | ERJ6GEYJ101V<br>ERJ6GEYJ101V | MGF CHIP 1/10W 100<br>MGF CHIP 1/10W 100  | +        |
| R6017          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        | 1        |
| R6018          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        | 1        |
| R6019          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K                        |          |
| R6021          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         |          |
| R6022          | ERJ6GEYJ332V                 | MGF CHIP 1/10W 3.3K                       | 1        |
| R6023          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                        | 1        |
| R6024          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        | 1        |
| R6025          | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                          | 1        |
| R6026          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | +        |
| R6028<br>R6029 | ERJ6GEYJ472V<br>ERJ6GEYJ102V | MGF CHIP 1/10W 4.7K MGF CHIP 1/10W 1K     | +        |
| R6029          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | 1        |
| R6032          | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                       | 1        |
| R6035          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        |          |
| R6040          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                        |          |
| R6041          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         |          |
| R6042          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                        | 1        |
| R6044          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | 1        |
| R6045          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | 1        |
| R6046          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                         | +        |
| R6049          | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                          |          |

| Ref.           | Part No.                     | Part Name & Description                    | Remarks |
|----------------|------------------------------|--|---------|
| R6050          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6053          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                        |         |
| R6054          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6055          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                         |         |
| R6057          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6058          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6059          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                        |         |
| R6060          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6061          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                         |         |
| R6062          | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                         |         |
| R6063<br>R6064 | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100<br>MGF CHIP 1/10W 10K   |         |
| R6066          | ERJ6GEYJ103V<br>ERJ6GEYJ102V | MGF CHIP 1/10W 10K                         |         |
| R6067          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6077          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6078          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                          |         |
| R6080          | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                        |         |
| R6081          | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                        |         |
| R6082          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6090          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                         |         |
| R6091          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                         |         |
| R6092          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                         |         |
| R6098          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K                         | 1       |
| R6099          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K ( E,F )                 |         |
| R6100          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K ( E,F )                 |         |
| R6113          | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                        |         |
| R6114          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                        |         |
| R6115          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6116<br>R6118 | ERDS2TJ101<br>ERJ6GEYJ104V   | CARBON 1/4W 100                            |         |
| R6119          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 100K<br>MGF CHIP 1/10W 22K  |         |
| R6120          | ERJ6GEYJ104V                 | MGF CHIP 1/10W 100K                        |         |
| R6121          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                         |         |
| R6122          | ERJ6GEYJ181V                 | MGF CHIP 1/10W 180                         |         |
| R6123          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                         |         |
| R6124          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6126          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                         |         |
| R6127          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                         |         |
| R6130          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                         |         |
| R6131          | ERJ6GEYJ183V                 | MGF CHIP 1/10W 18K                         |         |
| R6132          | ERJ6GEYJ391V                 | MGF CHIP 1/10W 390                         |         |
| R6133          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6134          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
| R6135          | ERJ6GEYJ475V                 | MGF CHIP 1/10W 4.7M                        |         |
| R6136<br>R6137 | ERJ6GEYJ332V<br>ERJ6GEYJ182V | MGF CHIP 1/10W 3.3K<br>MGF CHIP 1/10W 1.8K |         |
| R6138          | ERDS2TJ560T                  | CARBON 1/4W 56                             |         |
| R6142          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                        |         |
| R6143          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                         |         |
| R6144          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                        |         |
| R6145          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K                         |         |
| R6146          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K ( E,F )                 |         |
| R6149          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K                         |         |
| R6150          | ERJ6GEYJ913V                 | MGF CHIP 1/10W 91K                         |         |
| R6160          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                        |         |
| R6161          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                        |         |
| R6162          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                        |         |
| R6163          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                        |         |
| R6164          | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                        | 1       |
| R6165          | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                        |         |
| R6166<br>R6170 | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                         | +       |
| R6201          | ERJ6GEYJ102V<br>ERJ6GEYJ103V | MGF CHIP 1/10W 1K<br>MGF CHIP 1/10W 10K    | 1       |
| R6202          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 10K                         |         |
| R6203          | ERJ6GEYJ274V                 | MGF CHIP 1/10W 270K                        |         |
| R6204          | ERJ6GEYJ184V                 | MGF CHIP 1/10W 180K                        | 1       |
| R6205          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                         |         |
|                | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                         |         |
| R6207          |                              | MGF CHIP 1/10W 1.5K                        |         |
| R6207<br>R6208 | ERJ6GEYJ152V                 |  |         |
|                | ERJ6GEYJ152V<br>ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K                        |         |
| R6208          |                              |  |         |
| R6208<br>R6209 | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                        |         |

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|-------------|--------------|-------------------------|---------|
| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
| R6301       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6302       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6303       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6304       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6305       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6306       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6307       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6316       | ERJ6GEY0R00V | MGF CHIP 1/10W 0        |         |
| R7001       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7002       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7003       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7004       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7006       | ERJ6GEYJ271V | MGF CHIP 1/10W 270      |         |
| R7007       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |

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| Ref.        | Part No.        | Part Name & Description                | Remarks     |
|-------------|-----------------|--|-------------|
| No.<br>C401 | ECEA1HGE2R2     | ELECTROLYTIC 50V 2.2UF                 |             |
| C402        | ECA1CM471B      | ELECTROLYTIC 16V 470UF                 |             |
| C408        | ECA1HGE010KB    | ELECTROLYTIC 50V 1UF                   |             |
| C409        | ECA1VM101B      | ELECTROLYTIC 35V 100UF                 |             |
| C413        | ECQB1H104KF     | POLYESTER 50V 0.1UF                    |             |
| C414        | ECA1EM102E      | ELECTROLYTIC 25V 1000UF                |             |
| C418        | ECA1VM221B      | ELECTROLYTIC 35V 220UF                 |             |
| C459        | ECJ2VB1H103K    | C CHIP 50V 0.01UF                      |             |
| C510        | ECKR2H681KB5    | CERAMIC 500V 680PF (                   |             |
| 0320        |                 | A,B,C,D,E,F)                           |             |
| C510        | ECKR2H102KB5    | CERAMIC 500V 1000PF ( G,H,I )          |             |
| C513        | ECA1HM470B      | ELECTROLYTIC 50V 47UF                  |             |
| C524        | ECKC3D151KBP    | CERAMIC 2KV 150PF (                    | $\triangle$ |
|             |                 | A,B,C,D,E,F)                           |             |
| C524        | ECKW3D151KBP    | CERAMIC 2KV 150PF (                    | $\Delta$    |
|             |                 | A,B,C,D,E,F)                           |             |
| C531        | ECEA1HKA3R3I    | ELECTROLYTIC 50V 3.3UF                 |             |
| C533        | ECA1EM101B      | ELECTROLYTIC 25V 100UF                 |             |
| C534        | ECEA1HKA2R2     | ELECTROLYTIC 50V 2.2UF                 |             |
| C552        | ECA1EM221B      | ELECTROLYTIC 25V 220                   |             |
| C553        | ECKR2H471KB5    | CERAMIC 500V 470PF                     |             |
| C554        | ECWH12H622JS    | _                                      | Δ           |
|             |                 | A,B,C,D,E,F )                          | ^           |
| C554        | LSCFN12622JB    | 1                                      | $\triangle$ |
| C554        | ECWH16622JVB    | A,B,C,D,E,F) POLYESTER 1250V 0.062UF ( | $\triangle$ |
| C334        | ECWITO0220VB    | A,B,C,D,E,F)                           | <u> </u>    |
| C554        | F0A3C622A002    |  | $\triangle$ |
|             |                 | A,B,C,D,E,F )                          |             |
| C554        | ECWH12H912JS    | POLYESTER 1.2KV 0.092UF (              | $\triangle$ |
|             |                 | G,H,I )                                |             |
| C554        | F0A3C912A002    |  | $\triangle$ |
|             |                 | [G,H,I )                               | ^           |
| C556        | ECWF2334JBB     |  | $\triangle$ |
| C556        | F0C2E334A049    | A,B,C,D ) POLYESTER 250V 0.36UF (      | $\triangle$ |
| 0330        | FUCZESSTRUTS    | A,B,C,D )                              | 44          |
| C556        | ECWF2434JBB     | POLYESTER 500V 0.43UF ( G,H,I          | $\Delta$    |
|             |                 | )                                      |             |
| C556        | F0C2E434A049    | POLYESTER 250V 0.36UF ( G,H,I          | Δ           |
|             |                 | )                                      |             |
| C556        | ECWF2364JBB     | POLYESTER 500V 0.36UF ( E,F )          |             |
| C556        | ECWF2364JSB     | POLYESTER 250V 0.36UF ( E,F )          | Δ           |
| C556        | ECWF2364JSR     | POLYESTER 250V 0.36UF ( E,F )          |             |
| C556        | F0C2D364A007    | POLYESTER 250V 0.36UF ( E,F )          | $\triangle$ |
| C556        | F0C2E364A049    |  | ⚠           |
| C558        | ECA1VM221B      | ELECTROLYTIC 35V 220UF (               |             |
| arec.       | mas 1 mes 2 1 m | A,B,C,D,E,F)                           |             |
| C558        | ECA1VM331B      | ELECTROLYTIC 35V 330UF (G,H,I)         |             |
| C560        | ECA2EM100B      | ELECTROLYTIC 250V 10UF                 | $\triangle$ |
| C561        | ECA1HM2R2B      | ELECTROLYTIC 50V 2.2UF                 |             |
| C563        | ECEA180V33WE    | ELECTROLYTIC 180V 33UF                 |             |
| C571        | ECEA1HKA3R3I    | ELECTROLYTIC 50V 3.3UF (               |             |
| C3,1        | PCBNIUWNY       | A,B,C,D,E,F)                           |             |
| C571        | ECEA1EKA100I    | ELECTROLYTIC 25V 10UF ( G,H,I          |             |
|             | <u> </u>        | )                                      |             |
| C572        | ECA1CM221B      | ELECTROLYTIC 16V 220UF                 |             |
|             |                 |  |             |

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|---|---|--|-------------|
| Ref.<br>No.                               | Part No.  | Part Name & Description  | Remarks     |
| C801                                      | VCKSRNG472ZX  | CERAMIC 250V 4700PF  |             |
| C802                                      | VCKSRNG472ZX  | CERAMIC 250V 4700PF  |             |
| C803                                      | VCKSRNG472ZX  | CERAMIC 250V 4700PF  |             |
| C804                                      | VCKSRNG472ZX  | CERAMIC 250V 4700PF  | Α           |
| C805                                      | ECES2DU221EG  | A,B,C,D,E,F )  | Δ           |
| C805                                      | F2B2D2210009  | ELECTROLYTIC 200V 220UF (<br>A,B,C,D,E,F)  | Δ           |
| C805                                      | EC0S2PP471BB  | ELECTROLYTIC 180V 470UF (G,H,I)  | Δ           |
| C805                                      | ECES2PU471HG  | ELECTROLYTIC 180V 470UF (G,H,I)  | $\triangle$ |
| C806                                      | ECA2EM100E  | ELECTROLYTIC 250V 10UF (A,B,C,D,E,F)   |             |
| C806                                      | ECA2EM220E  | ELECTROLYTIC 250V 22UF (G,H,I)   |             |
| C807                                      | J0LE00000023  | ARRESTER   | Δ           |
| C808                                      | ECQU2A823MLA  | POLYESTER 250V 0.082UF   | $\Delta$    |
| C808                                      | LSCFQ2A823MC  | POLYESTER 250V 0.082UF   | $\triangle$ |
| C809                                      | F1B2E101A009  | CERAMIC 250V 100PF   | $\triangle$ |
| C809                                      | F1B2E101A008  | CERAMIC 250V 100PF   | $\triangle$ |
| C809                                      | F1B2E101A032  | CERAMIC 250V 100PF   | $\triangle$ |
| C809                                      | F1B2E101A033  | CERAMIC 250V 100PF   | Δ           |
| C811                                      | F1B2E152A012  | CERAMIC 250V 1500PF  | Δ           |
| C811                                      | F1B2E152A011  | CERAMIC 250V 1500PF  | Δ           |
| C811                                      | F1B2E152A044  | CERAMIC 250V 1500PF  | Δ           |
| C811                                      | F1B2E152A045  | CERAMIC 250V 1500PF  | Δ           |
| C811                                      | F1B2E1520002  | CERAMIC 250V 1500PF  | Δ           |
| C811                                      | F1B2E1520006  | CERAMIC 250V 1500PF  | Δ           |
| C1001                                     | ECKATS103MF   | CERAMIC 250V 0.01UF  | Δ           |
| C1001                                     | ECKETS103MF   | CERAMIC 125V 0.01UF  | Δ           |
| C1001                                     | VCKST3G103MY  | CERAMIC 250V 0.01UF  | Δ           |
| C1001                                     | VCKSU3D103MY  | CERAMIC 125V 0.01UF  | Δ           |
| C1002                                     | ECKATS332ME8  | CERAMIC 250V 3300PF  | Δ           |
| C1002                                     | ECKDNB332ME8  | CERAMIC 125V 3300PF  | $\triangle$ |
| C1002                                     | ECKETS332ME8  | CERAMIC 125V 3300PF  | $\triangle$ |
| C1002                                     | VCKST3G332MX  | CERAMIC 250V 3300PF  | $\triangle$ |
| C1002                                     | VCKSU3D332MX  | CERAMIC 125V 3300PF  | Δ           |
| C1003                                     | F1B2E102A012  | CERAMIC 250V 1000PF  | Δ           |
| C1003                                     | F1B2E102A011  | CERAMIC 250V 1000PF  | Δ           |
| C1003                                     | F1B2E102A044  | CERAMIC 250V 1000PF  | Δ           |
| C1003                                     | F1B2E102A045  | CERAMIC 250V 1000PF  | Δ           |
| C1003                                     | F1B2E1020005  | CERAMIC 250V 1000PF  | <u></u>     |
| C1003                                     | F1B2E1020006  | CERAMIC 250V 1000PF  | $\triangle$ |
| C1004                                     | ECEA2DU121YE  | ELECTROLYTIC 200V 120UF  | Δ           |
| C1004                                     | F2A2D1210001  | ELECTROLYTIC 200V 120UF  | Δ           |
| C1004                                     | F2A2D1210003  | ELECTROLYTIC 200V 120UF  | Δ           |
| C1004                                     | VCESR2D121XE  | ELECTROLYTIC 200V 120UF  | Δ           |
| C1005                                     | ECA2DHG4R7B   | ELECTROLYTIC 200V 4.7UF  |             |
| C1005                                     | ECKR2H221KB5  | CERAMIC 500V 220PF   |             |
| C1007                                     | ECJ2VB1C224K  | C CHIP 16V 0.22UF  |             |
| C1007                                     | VCYSBRE183KX  | CERAMIC 25V 0.018UF  |             |
| C1010                                     | ECJ2VB1H102K  | C CHIP 50V 1000PF  |             |
| C1011                                     | ECA1HHG470B   | ELECTROLYTIC 50V 47UF  |             |
| C1012                                     | ECEA1PEE331   | ELECTROLYTIC 18V 330UF   |             |
| C1012                                     | ECA1EM331B  | ELECTROLYTIC 25V 330UF   |             |
| C1015                                     | ECEA1PEE331   | ELECTROLYTIC 18V 330UF   |             |
| C1010                                     | ECA0JM102B  | ELECTROLYTIC 6.3V 1000UF   |             |
| C1017                                     | ECJ2VB1E104K  | C CHIP 25V 0.1UF   |             |
| C1025                                     | F1B2E101A009  | CERAMIC 250V 100PF   | Δ           |
| C1025                                     | F1B2E101A009  | CERAMIC 250V 100PF   | Δ           |
| C1025                                     | F1B2E101A033  | CERAMIC 250V 100PF   | Δ           |
| C1025                                     | F1B2E101A033  | CERAMIC 250V 100PF   | Δ           |
| C1029                                     | ECJ2VC1H101J  | C CHIP 50V 100PF   |             |
| C1030                                     | VCYSBRE183KX  | CERAMIC 25V 0.018UF  |             |
|   | ECEA1HKAR47   | ELECTROLYTIC 50V 0.47UF  |             |
| C1051                                     |   | ELECTROLYTIC 16V 10UF  |             |
|   |   |  | <b>I</b>    |
| C1052                                     | ECEA1CKA100<br>ECEA0JEE101                                |  |             |
| C1052<br>C1058                            | ECEA0JEE101   | ELECTROLYTIC 6.3V 100UF  |             |
| C1059                                     | ECEA0JEE101<br>ECEA1CKA470                                | ELECTROLYTIC 6.3V 100UF ELECTROLYTIC 16V 47UF  |             |
| C1052<br>C1058<br>C1059<br>C1060          | ECEA0JEE101<br>ECEA1CKA470<br>ECEA1CKA470                 | ELECTROLYTIC 6.3V 100UF ELECTROLYTIC 16V 47UF ELECTROLYTIC 16V 47UF                  |             |
| C1052<br>C1058<br>C1059<br>C1060<br>C3003 | ECEA0JEE101<br>ECEA1CKA470<br>ECEA1CKA470<br>ECJ2VF1E104Z | ELECTROLYTIC 6.3V 100UF ELECTROLYTIC 16V 47UF ELECTROLYTIC 16V 47UF C CHIP 25V 0.1UF |             |
| C1052<br>C1058<br>C1059<br>C1060          | ECEA0JEE101<br>ECEA1CKA470<br>ECEA1CKA470                 | ELECTROLYTIC 6.3V 100UF ELECTROLYTIC 16V 47UF ELECTROLYTIC 16V 47UF                  |             |

| Do.f        | Dant No.                     | Dant Name & Description                | Bama wha |
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| Ref.<br>No. | Part No.                     | Part Name & Description                | Remarks  |
| C3008       | ECJ2VC1H181J                 | C CHIP 50V 180PF                       |          |
| C3009       | ECEA1EKA4R7                  | ELECTROLYTIC 25V 4.7UF                 |          |
| C3010       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3013       | ECJ2VF1C224Z                 | C CHIP 16V 0.22UF                      |          |
| C3015       | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                 |          |
| C3016       | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                  |          |
| C3019       | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                 |          |
| C3020       | ECEA1CKA220                  | ELECTROLYTIC 16V 22UF                  |          |
| C3021       | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                 |          |
| C3022       | ECJ2VF1C224Z                 | C CHIP 16V 0.22UF                      |          |
| C3023       | ECJ2VC1H680J                 | C CHIP 50V 68PF                        |          |
| C3024       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3025       | ECJ2VB1E104K<br>ECJ2VB1H822K | C CHIP 25V 0.1UF<br>C CHIP 50V 8200PF  |          |
| C3027       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3030       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3031       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3032       | ECJ2VF1C474Z                 | C CHIP 16V 0.47UF                      |          |
| C3034       | ECJ2VC1H181J                 | C CHIP 50V 180PF                       |          |
| C3035       | ECJ2VC1H330J                 | C CHIP 50V 33PF                        |          |
| C3036       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3038       | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                  |          |
| C3041       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3043       | ECJ2VB1H392K                 | C CHIP 50V 3900PF                      |          |
| C3044       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3045       | ECEA1HKAR47                  | ELECTROLYTIC 50V 0.47UF                | 1        |
| C3046       | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                 |          |
| C3047       | ECEA0JKA101                  | ELECTROLYTIC 6.3V 100UF                |          |
| C3048       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3050       | ECEA1HKA2R2                  | C CHID FOW 0 01ME                      |          |
| C3053       | ECJ2VF1H103Z<br>ECJ2VF1E104Z | C CHIP 50V 0.01UF                      |          |
| C3056       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3057       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3058       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3082       | ECJ2VB1H332K                 | C CHIP 50V 3300PF                      |          |
| C3231       | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                   |          |
| C3232       | ECJ2VB1H102K                 | C CHIP 50V 1000PF                      |          |
| C3234       | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                 |          |
| C3235       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C3236       | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                       |          |
| C3237       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      |          |
| C4001       | ECJ2VF1C224Z                 | C CHIP 16V 0.22UF                      |          |
| C4002       | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                   |          |
| C4003       | ECJ2VB1H272K<br>ECJ2VB1H103K | C CHIP 50V 2700PF<br>C CHIP 50V 0.01UF |          |
| C4005       | ECEA0JKA220                  | ELECTROLYTIC 6.3V 22UF                 |          |
| C4006       | ECJ2VB1H102K                 | C CHIP 50V 1000PF                      |          |
| C4007       | ECEA0JKA220                  | ELECTROLYTIC 6.3V 22UF                 |          |
| C4008       | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                 |          |
| C4009       | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                  |          |
| C4010       | ECJ2VB1E333K                 | C CHIP 25V 0.033UF                     |          |
| C4011       | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                      |          |
| C4012       | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                   |          |
| C4013       | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                 | 1        |
| C4014       | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                   | 1        |
| C4018       | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                      | 1        |
| C4020       | ECEA1HKA010                  | POLYECTROLYTIC 50V 1UF                 |          |
| C4102       | ECQB1562JF3                  | POLYESTER 100V 5600PF                  | 1        |
| C4103       | ECJ2VB1H103K<br>ECJ2VB1H103K | C CHIP 50V 0.01UF                      |          |
| C4104       | ECEA1CKA220                  | ELECTROLYTIC 16V 22UF                  | 1        |
| C4171       | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                   |          |
| C4502       | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                  |          |
| C4504       | ECEA1EKA4R7                  | ELECTROLYTIC 25V 4.7UF                 |          |
| C4506       | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                  |          |
| C4508       | ECA1CM221B                   | ELECTROLYTIC 16V 220UF                 |          |
| C4509       | ECJ2VB1E473K                 | C CHIP 25V 0.047UF                     |          |
| C4521       | ECA1EM102B                   | ELECTROLYTIC 25V 1000UF                | 1        |
| C4524       | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                      | 1        |
| C5301       | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                  | 1        |
| C5302       | ECEA1EKA4R7                  | ELECTROLYTIC 25V 4.7UF                 |          |
| C5303       | ECEA1HKAR47                  | ELECTROLYTIC 50V 0.47UF                |          |

|   | Part No.                     | Part Name & Description                    | Remarks  |
|---|------------------------------|--|--|
|   | ל כם גישוו גשיייי            |  |  |
| C5306  B                                |                              | ELECTROLYTIC 50V 0.33UF                    |  |
| <b>—</b>                                | SCEA1CKA100                  | ELECTROLYTIC 16V 10UF                      |  |
|   | BCEA1CKA100                  | ELECTROLYTIC 16V 10UF                      |  |
|   | SCEA1CKA100                  | ELECTROLYTIC 16V 10UF                      |  |
| <b></b>                                 | /CUSTBC224KB                 | C CHIP 16V 0.22UF                          |  |
| <b>-</b>                                | SCJ2VB1H222K                 | C CHIP 50V 2200PF                          |  |
|   | SCEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                     |  |
| <del></del>                             | CJ2VB1E183K                  | C CHIP 25V 0.018UF                         |  |
| <b>—</b>                                | CJ2VB1H681K<br>CEA1CKA470    | C CHIP 50V 680PF                           |  |
| H                                       |                              | ELECTROLYTIC 16V 47UF                      |  |
|   | CJ2VF1H103Z                  | C CHIP 50V 0.01UF<br>ELECTROLYTIC 16V 10UF |  |
|   | CUV1H221JSN                  | C CHIP 50V 220PF                           |  |
|   | CEA1HKA010                   | ELECTROLYTIC 50V 1UF                       | -  |
| <b>—</b>                                | CJ2VB1E333K                  | C CHIP 25V 0.033UF                         |  |
|   | CJ2VB1E333K                  | C CHIP 25V 0.033UF                         |  |
|   | CJ2VF1H103Z                  | C CHIP 50V 0.01UF                          |  |
|   | 3CJ2VB1E104K                 | C CHIP 25V 0.1UF                           |  |
|   | CJ2VC1H150J                  | C CHIP 50V 15PF                            |  |
|   | CEA1HKA010                   | ELECTROLYTIC 50V 1UF                       | <u> </u>   |
|   | CJ2VB1E153K                  | C CHIP 25V 0.015UF                         |  |
|   | CEA1CKA470                   | ELECTROLYTIC 16V 47UF                      |  |
| _                                       | SCEA1CKA470                  | ELECTROLYTIC 16V 47UF                      |  |
|   | CJ2VB1H103K                  | C CHIP 50V 0.01UF                          |  |
| C5905 E                                 | CEA0JKA101                   | ELECTROLYTIC 6.3V 100UF                    |  |
|   | CJ2VF1H103Z                  | C CHIP 50V 0.01UF                          |  |
| C5932 E                                 | CJ2VF1H103Z                  | C CHIP 50V 0.01UF                          |  |
| C6001 E                                 | CEA0JKA331                   | ELECTROLYTIC 6.3V 330UF                    |  |
| C6002 E                                 | CJ2VC1H080C                  | C CHIP 50V 8PF                             |  |
| C6003 E                                 | CJ2VC1H100C                  | C CHIP 50V 10PF                            |  |
| C6004 E                                 | CJ2VB1E104K                  | C CHIP 25V 0.1UF                           |  |
| C6006 E                                 | CEA0JKA101                   | ELECTROLYTIC 6.3V 100UF                    |  |
| C6009 E                                 | CEA1CKS100                   | ELECTROLYTIC 16V 10UF                      |  |
| C6013 E                                 | CJ2VC1H101J                  | C CHIP 50V 100PF                           |  |
| C6017 E                                 | CJ2VC1H101J                  | C CHIP 50V 100PF                           |  |
| C6018 E                                 | CJ2VC1H101J                  | C CHIP 50V 100PF                           |  |
| C6020 E                                 | CJ2VF1H104Z                  | C CHIP 50V 0.1UF                           |  |
| C6021 E                                 | CEA0JKA101                   | ELECTROLYTIC 6.3V 100UF                    |  |
| C6023 E                                 | CJ2VB1H103K                  | C CHIP 50V 0.01UF                          |  |
| C6025 E                                 | CEA0JKA470                   | ELECTROLYTIC 6.3V 47UF                     |  |
| C6029 E                                 | CJ2VF1H104Z                  | C CHIP 50V 0.1UF                           |  |
|   | CJ2VB1H102K                  | C CHIP 50V 1000PF                          |  |
|   |                              | C CHIP 50V 1000PF                          |  |
|   | 3CJ2VF1E104Z                 | C CHIP 25V 0.1UF                           |  |
|   | CJ2VB1H102K                  | C CHIP 50V 1000PF                          |  |
|   | SCJ2VB1H103K                 | C CHIP 50V 0.01UF                          |  |
| <b>—</b>                                | CJ2VB1H332K                  | C CHIP 50V 3300PF                          | -  |
|   | CJ2VB1H103K                  | C CHIP 50V 0.01UF                          | -  |
|   | SCJ2VF1H104Z                 | C CHIP 50V 0.1UF                           |  |
| <b>—</b>                                | CEA1CKS100                   | C CUID 50V 1000PF                          | <del>                                     </del> |
|   | CJ2VB1H102K<br>CJ2VF1H104Z   | C CHIP 50V 1000PF<br>C CHIP 50V 0.1UF      | <del>                                     </del> |
|   | CC32VF1H104Z<br>CCEA0JKS331I | ELECTROLYTIC 6.3V 330UF                    | <del>                                     </del> |
|   | SCEAOJKS220                  | ELECTROLITIC 6.3V 3300F                    | <del>                                     </del> |
|   | SCJ2VB1H272K                 | C CHIP 50V 2700PF                          |  |
|   | CJ2VB1H103K                  | C CHIP 50V 0.01UF                          |  |
| -                                       | CEA1CKA470                   | ELECTROLYTIC 16V 47UF                      |  |
|   | CEAOJKA101                   | ELECTROLYTIC 6.3V 100UF                    |  |
|   | CJ2VF1H104Z                  | C CHIP 50V 0.1UF                           | <b>†</b>   |
| h                                       | CJ2VF1H104Z                  | C CHIP 50V 0.1UF                           |  |
|   | CEA0JKA101                   | ELECTROLYTIC 6.3V 100UF                    |  |
| H + + + + + + + + + + + + + + + + + + + | CEA1HKA010                   | ELECTROLYTIC 50V 1UF                       |  |
| C6404 E                                 | CJ2VC1H121J                  | C CHIP 50V 120PF                           |  |
|   | CEA1HKS010                   | ELECTROLYTIC 50V 1UF                       |  |
|   | CJ2VB1H222K                  | C CHIP 50V 2200PF                          |  |
|   | CJ2VB1H103K                  | C CHIP 50V 0.01UF                          |  |
| C7002 E                                 | CJ2VB1H102K                  | C CHIP 50V 1000PF                          |  |
|   | SCA0JM102B                   | ELECTROLYTIC 6.3V 1000UF                   |  |
| C1000 1E                                |                              |  | Г  |
|   | CJ2VB1H102K                  | C CHIP 50V 1000PF                          |  |
| C7007 E                                 | CJ2VB1H102K<br>CJ2VF1H103Z   | C CHIP 50V 1000PF C CHIP 50V 0.01UF        |  |

COILS

| Ref.  | Part No.     | COILS  Part Name & Description | Remarks     |
|-------|--------------|--------------------------------|-------------|
| No.   |              | _                              |             |
| L501  | G0D680000001 | COIL ( G,H,I )                 | Δ           |
| L501  | ELH5L4108    | COIL ( G,H,I )                 | $\triangle$ |
| L501  | ELH5L4145    | COIL ( G,H,I )                 | Δ           |
| L501  | ELH5L423     | COIL ( G,H,I )                 | Δ           |
| L501  | G0D510000001 | COIL ( G,H,I )                 | $\triangle$ |
| L553  | VLQSW07D220M | COIL 22UH                      |             |
| L803  | ELF21V018A   | LINE FILTER                    | $\triangle$ |
| L803  | J0HBLG000001 | LINE FILTER                    | $\triangle$ |
| L803  | LLN63055A    | COIL                           | $\triangle$ |
| L1001 | ELF15N005A   | LINE FILTER 0.5A 18MH          | $\triangle$ |
| L1001 | ELF18D290A   | LINE FILTER 0.5A 18MH          | Δ           |
| L1001 | J0HBLD000001 | LINE FILTER 0.5A 18MH          | Δ           |
| L1001 | J0HBLD000002 | LINE FILTER 0.5A 18MH          | $\triangle$ |
| L1002 | VLQSAB7D220K | COIL 22UH                      |             |
| L1003 | VLQSAB7D100K | COIL 10UH                      |             |
| L1006 | J0JHB0000021 | FILTER                         |             |
| L1007 | G0C101KA0045 | COIL 100UH                     |             |
| L3001 | G0C390KA0045 | COIL 39UH                      |             |
| L3002 | ELESN101KA   | COIL 100UH                     |             |
| L3005 | G0C330KA0045 | COIL 33UH                      |             |
| L3010 | ELESN470KA   | COIL 47UH                      |             |
| L3231 | ELESN221KA   | COIL 220UH                     |             |
| L4001 | ELELN153KA   | COIL 15MH                      |             |
| L4002 | ELESN101KA   | COIL 100UH                     |             |
| L4004 | G0C390KA0045 | COIL 39UH ( A,B,C,D,E,F )      |             |
| L4004 | G0C220KA0045 | COIL 22UH ( G,H,I )            |             |
| L4101 | ELESN471KA   | COIL 470UH                     |             |
| L5901 | ELESN101KA   | COIL 100UH                     |             |
| L5902 | ELESN470KA   | COIL 47UH                      |             |
| L6201 | ELEXT101KE04 | COIL 100UH                     |             |
| L6401 | ELEXT101KE04 | COIL 100UH                     |             |
| L6402 | J0JBC0000022 | CHIP BEAD INDUCTOR             |             |
| L6403 | J0JBC0000022 | CHIP BEAD INDUCTOR             |             |
| L6404 | J0JBC0000022 | CHIP BEAD INDUCTOR             |             |
| L6405 | J0JBC0000022 | CHIP BEAD INDUCTOR             |             |
| L7002 | ELESN100KA   | COIL 10UH                      |             |

CRYSTAL OSCILLATOR

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| X5501       | H2A503300012 | CRYSTAL OSCILLATOR      |         |
| X5601       | VSXS0190-TB  | CRYSTAL OSCILLATOR      |         |
| X6001       | VSXS0784     | CRYSTAL OSCILLATOR      |         |

| Ref.<br>No. | Part No.     | Part Name & Description                           | Remarks |
|-------------|--------------|---|---------|
| P552        | LSJWS4N250LL | PIN HEADER ( A,B,C,D,E,F )                        |         |
| P552        | LSJWS4N360LL | PIN HEADER ( G,H,I )                              |         |
| P801        | VEKS5809     | CONNECTOR CABLE W/OUT PLUG, 200V                  |         |
| P803        | LSJP0814     | CONNECTOR 2P                                      |         |
| P3001       | K1KA08A00305 | CONNECTOR 8P ( A,B,C,D,G,H,I                      |         |
| P3001       | K1KA12A00232 | CONNECTOR 12P ( E,F )                             |         |
| P4001       | VJSS0888     | FE CONNECTOR 2P                                   |         |
| P4002       | LSJWR6N120CL | PARALLEL WIRE                                     |         |
| P4591       | K1KA02A00375 | CONNECTOR 2P                                      |         |
| P5301       | LSJWR4N380LL | CONNECTOR CABLE W/OUT PLUG,12V DC ( A,B,C,D,E,F ) |         |
| P5301       | LSJWR4N490LL | CONNECTOR CABLE W/OUT PLUG,12V DC ( G,H,I )       |         |
| P6001       | K1KA05A00268 | CONNECTOR 5P                                      |         |
| P6201       | K1KA12A00234 | PIN HEADER  |         |

**SWITCHES** 

| Ref.<br>No. | Part No.     | Part Name & Description     | Remarks |
|-------------|--------------|-----------------------------|---------|
| SW6001      | LSSH0002     | LEAF SWITCH-SAFETY TAB      |         |
| SW6002      | K0N107C00002 | PUSH SWITCH                 |         |
| SW6301      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6301      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6302      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6302      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6303      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |

| Ref.<br>No. | Part No.     | Part Name & Description     | Remarks |
|-------------|--------------|-----------------------------|---------|
| SW6303      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6304      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6304      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6305      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6305      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6306      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6306      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6307      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6307      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6308      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6308      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6309      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6309      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6310      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6310      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |
| SW6311      | K0H1BA000259 | PUSH SWITCH ( A,B,C,D,E,F ) |         |
| SW6311      | EVQ21405R    | PUSH SWITCH ( G,H,I )       |         |

| FLIOR | 0  | DDO: | TEA- |     |
|-------|----|------|------|-----|
| FUSE  | Čα | PKO  | IEU  | IUK |

| Ref.   | Part No.     | Part Name & Description | Remarks     |
|--------|--------------|-------------------------|-------------|
| F801   | K5D402AQ0002 | FUSE 125V 4A            | Δ           |
| F801   | K5D402AB0002 | FUSE 125V 4A            | Δ           |
| F801   | K5D402ADA002 | FUSE 125V 4A            | Δ           |
| F801   | K5D402ADA006 | FUSE 125V 4A            | Δ           |
| F1001  | K5D162AQ0004 | FUSE 125V 1.6A          | Δ           |
| F1001  | K5D162ADA001 | FUSE 125V 1.6A          | Δ           |
| F1001  | K5D162ADA008 | FUSE 125V 1.6A          | Δ           |
| PR1001 | UNH000600A   | IC PROTECTOR 1.5A       | $\triangle$ |
| PR1001 | B1ZAZ0000040 | IC PROTECTOR 1.5A       | $\triangle$ |
| PR1001 | LSSF009A25E  | IC PROTECTOR 1.5A       | $\triangle$ |
| PR1002 | UNH000600A   | IC PROTECTOR 1.5A       | $\triangle$ |
| PR1002 | B1ZAZ0000040 | IC PROTECTOR 1.5A       | Δ           |
| PR1002 | LSSF009A25E  | IC PROTECTOR 1.5A       | $\Delta$    |

#### RELAY

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks     |
|-------------|--------------|-------------------------|-------------|
| RL801       | LSSY0004     | RELAY                   | Δ           |
| RL801       | K6B1AGA00034 | RELAY                   | Δ           |
| RL801       | K6B1AGA00042 | RELAY, 120V             | $\triangle$ |
| RL801       | TSEH0013     | RELAY                   | Δ           |
| RL801       | TSEH1860-1   | RELAY                   | $\Phi$      |

#### TRANSFORMER

| Ref.         | Part No.     | Part Name & Description        | Remarks |
|--------------|--------------|--------------------------------|---------|
| T501         | ETH09K6AZ    | TRANSFORMER ( A,B,C,D,E,F )    |         |
| T501         | ETH09K8AZ    | TRANSFORMER ( G,H,I )          |         |
| <b>T</b> 551 | KFT2AB399F   | FLYBACK TRANSFORMER ( A,B,C,D) | Δ       |
| T551         | G4G3H0000001 | FLYBACK TRANSFORMERS ( E,F )   | Δ       |
| T551         | KFT3AB400F   | FLYBACK TRANSFORMER ( G,H,I )  | Δ       |
| T1001        | ETS28AD2J3AC | SW TRANSFORMER                 | Δ       |
| T1001        | LSTP0105     | TRANSFORMER                    | Δ       |
| T1001        | VTPS0042     | SW TRANSFORMER                 | Δ       |
| T4101        | G2A342C00003 | TRANSFORMER                    |         |

## JACKS

| Ref.<br>No. | Part No.     | Part Name & Description       | Remarks |
|-------------|--------------|-------------------------------|---------|
| JK4591      | K2HC103B0130 | FRONT AUDIO/VIDEO JACK SOCKET |         |
| JK4701      | K2HA204B0114 | EARPHONE JACK SOCKET          |         |

#### MISCELLANEOUS

| Ref.<br>No. | Part No.     | Part Name & Description        | Remarks |
|-------------|--------------|--------------------------------|---------|
| 483         | XYN3+F10S    | SCREW W/WASHER, STEEL          |         |
| 488         | XYN3+F6S     | SCREW W/WASHER, STEEL          |         |
| 497         | XTV3+10J     | TAPPING SCREW, SCREW           |         |
| 711         | PNA4611M00HC | INFRARED RECEIVER UNIT         |         |
| 719         | VMFS0136     | SHEET, NYLON-RAYON ( G, H, I ) |         |
| 743         | ENG36709GL   | TUNER, UHF/VHF NR              |         |
| 751         | LML69001A    | ANODE LEAD CLAMPER             |         |
| 758         | TUC77616     | HEAT SINK ( A,B,C,D,E,F )      |         |
| 766         | TUC76677-1   | HEAT SINK ( A,B,C,D,E,F )      |         |

| Ref.<br>No. | Part No.   | Part Name & Description | Remarks |
|-------------|------------|-------------------------|---------|
| 767         | TUC77626   | HEAT SINK ( G,H,I )     |         |
| 768         | TUC77603-1 | HEAT SINK ( G,H,I )     |         |
| 769         | LUS23005B  | HEAT SINK ( G,H,I )     |         |
| 771         | EYF52BC    | FUSE HOLDER             |         |

# 12.3.2. TV/VCR MAIN C.B.A.

# (Model: J)

## **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Ε    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

## INTEGRATED CIRCUITS

| Ref.   | Part No.     | Part Name & Description  | Remarks     |
|--------|--------------|--------------------------|-------------|
| IC451  | C1AA00000024 | IC, LINEAR               |             |
| IC501  | CNC1S101R1KT | IC, LINEAR               | $\triangle$ |
| IC501  | CNC1S101R1KT | IC, LINEAR               | $\triangle$ |
| IC501  | CNC1S101S1KT | IC, LINEAR               | $\triangle$ |
| IC502  | CNC1S101R2KT | IC, LINEAR               | $\triangle$ |
| IC801  | C5HABZZ00051 | IC, LINEAR               | $\Delta$    |
| IC1001 | CNC1S101R1KT | IC, LINEAR               | $\triangle$ |
| IC1001 | CNC1S101S1KT | IC, LINEAR               | $\triangle$ |
| IC1002 | CODAEMZ00005 | IC, LINEAR               |             |
| IC1002 | B1AZKD000001 | IC, LINEAR               |             |
| IC1002 | CODAEMZ00001 | IC, LINEAR               |             |
| IC3001 | AN3479FBP-A  | IC, LINEAR               |             |
| IC3201 | MN3885S      | IC, CCD 1H DELAY         | E.S.D.      |
| IC4501 | C1AA00000652 | IC, LINEAR               |             |
| IC4511 | C1AA00000652 | IC, LINEAR               |             |
| IC5301 | AN15167A-VT  | IC, LINEAR               |             |
| IC6001 | MN101D06FCC  | IC, 8BIT MICROCONTROLLER | E.S.D.      |
| IC6002 | B3NAA0000049 | PHOTO INTERRUPUTER       |             |
| IC6003 | B3NAA0000049 | PHOTO INTERRUPUTER       |             |
| IC6004 | LSSK0026     | IC, 1K EEP ROM           | E.S.D.      |
| IC6005 | C0EBJ0000080 | IC, CMOS STANDARD LOGIC  | E.S.D.      |
| IC6005 | C0EBJ0000099 | IC, CMOS STADNARD LOGIC  | E.S.D.      |
| IC6005 | RN5VS47CA-TR | IC, CMOS STANDARD LOGIC  | E.S.D.      |
| IC9001 | AN5832SA-E1  | IC, LINEAR               |             |
| IC9201 | AN7420-NT    | IC, LINEAR               |             |
| IC9301 | C0JBAR000002 | IC, CMOS STANDARD LOGIC  | E.S.D.      |
| IC9301 | CD4052BCM    | IC, CMOS STANDARD LOGIC  | E.S.D.      |

# TRANSISTORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| Q431        | 2SA733-TQ    | TRANSISTOR SI PNP       |         |
| Q431        | 2SA1175      | TRANSISTOR SI PNP       |         |
| Q431        | 2SA1175-TH   | TRANSISTOR SI PNP       |         |
| Q501        | B1AACN000013 | TRANSISTOR SI NPN       |         |
| Q531        | 2SA733-TQ    | TRANSISTOR SI PNP       |         |
| Q531        | 2SA1175      | TRANSISTOR SI PNP       |         |
| Q531        | 2SA1175-TH   | TRANSISTOR SI PNP       |         |
| Q532        | 2SC945A-TQ   | TRANSISTOR SI NPN       |         |
| Q532        | 2SC2785-TH   | TRANSISTOR SI NPN       |         |

| Ref.<br>No.    | Part No.                   | Part Name & Description             | Remarks        |
|----------------|----------------------------|-------------------------------------|----------------|
| Q532           | 2SC2785-TJ                 | TRANSISTOR SI NPN                   |                |
| Q551           | B1GARRAB0001               | TRANSISTOR SI NPN                   | Δ              |
| Q571           | 2SD0601A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q571           | B1ABCF000011               | TRANSISTOR SI NPN CHIP              |                |
| Q581           | B1ACBM000001               | TRANSISTOR SI NPN                   |                |
| Q581           | 2SA17670QA                 | TRANSISTOR SI PNP CHIP              |                |
| Q581           | 2SB12210QA                 | TRANSISTOR SI PNP CHIP              |                |
| Q801           | 2SC945A-TKA                | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC1684-Q                  | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC1684-S                  | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC16840RA                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC2785-TE                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC2785-TF                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC2785-TH                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC2785-TJ                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC2785-TK                 | TRANSISTOR SI NPN                   |                |
| Q801           | 2SC3311AQA                 | TRANSISTOR SI NPN TRANSISTOR SI NPN |                |
| Q801<br>Q801   | 2SC3311ARA<br>2SC3311ASA   | TRANSISTOR SI NPN                   |                |
| Q801<br>Q801   |                            |                                     |                |
| Q801<br>Q801   | 2SC945A-TPA<br>2SC945A-TQA | TRANSISTOR SI NPN TRANSISTOR SI NPN | +              |
| Q1001          | 2SC4953001KT               | TRANSISTOR SI NPN                   | $\triangle$    |
| Q1001<br>Q1001 | 2SC4953001KT               | TRANSISTOR SI NPN                   | <u> </u>       |
| Q1001<br>Q1002 | 2SD225900A                 | TRANSISTOR SI NPN                   | <del>  _</del> |
| Q1051          | B1BACC000010               | TRANSISTOR SI NPN                   | 1              |
| Q1051          | 2SD1581-T                  | TRANSISTOR SI NPN                   |                |
| Q1052          | 2SD0601AHL                 | TRANSISTOR SI NPN CHIP              |                |
| 2<br>Q1052     | B1ABCF000011               | TRANSISTOR SI NPN CHIP              |                |
| Q1053          | 2SD235800A                 | TRANSISTOR SI NPN CHIP              |                |
| Q1053          | B1AAQB000002               | TRANSISTOR SI NPN CHIP              |                |
| Q1070          | 2SB0709A0L                 | TRANSISTOR SI PNP CHIP              |                |
| Q1070          | B1ADCF000001               | TRANSISTOR SI PNP CHIP              |                |
| Q1071          | 2SD0601A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q1071          | B1ABCF000011               | TRANSISTOR SI NPN CHIP              |                |
| Q3001          | 2SB1218A0L                 | TRANSISTOR SI PNP CHIP              |                |
| Q3001          | B1ADCF000063               | TRANSISTOR SI PNP CHIP              |                |
| Q3002          | 2SD1819A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q3002          | B1ABCF000020               | TRANSISTOR SI NPN CHIP              |                |
| Q3301          | 2SD1819A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q3301          | B1ABCF000020               | TRANSISTOR SI NPN CHIP              |                |
| Q4001          | 2SB1218A0L                 | TRANSISTOR SI PNP CHIP              |                |
| Q4001          | B1ADCF000063               | TRANSISTOR SI PNP CHIP              |                |
| Q4002          | 2SD1819AHL                 | TRANSISTOR SI NPN CHIP              |                |
| Q4003          | 2SD1819AHL                 | TRANSISTOR SI NPN CHIP              |                |
| Q4101          | 2SD0601ARL                 | TRANSISTOR SI NPN CHIP              |                |
| Q4171          | 2SD0601A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q4171          | B1ABCF000011               | TRANSISTOR SI NPN CHIP              |                |
| Q5301          | 2SD1819A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q5301          | BlabCF000020               | TRANSISTOR SI NPN CHIP              |                |
| Q5901          | 2SD225900A                 | TRANSISTOR SI NPN                   |                |
| Q6001          | 2SB0709A0L                 | TRANSISTOR SI PNP CHIP              |                |
| Q6001          | B1ADCF000001               | TRANSISTOR SI PNP CHIP              |                |
| Q6002          | 2SD0601A0L                 | TRANSISTOR SI NPN CHIP              |                |
| Q6002          | BlabCF000011               | TRANSISTOR SI NPN CHIP              | +              |
| Q6003          | 2SD0601A0L                 | TRANSISTOR SI NPN CHIP              | +              |
| Q6003          | BlabCF000011               | TRANSISTOR SI NPN CHIP              |                |
| Q6004          | 2SB1218A0L                 | TRANSISTOR SI PNP CHIP              |                |
| Q6004          | B1ADCF000063               | TRANSISTOR SI PNP CHIP              | -              |
| Q6005          | 2SB0709A0L                 | TRANSISTOR SI PNP CHIP              | +              |
| Q6005          | B1ADCF000001               | TRANSISTOR SI PNP CHIP              |                |
| Q6006<br>Q6009 | 2SD1819A0L                 | TRANSISTOR SI NPN CHIP              | +              |
| Q6009<br>Q6010 | VEKS5707                   | PHOTO SENSOR UNIT                   |                |
| Q6010          | VEKS5707                   | PHOTO SENSOR UNIT                   |                |
| Q9001          | 2SB1218A0L                 | TRANSISTOR SI PNP CHIP              | +              |
| Q9001          | B1ADCF000063               | TRANSISTOR SI PNP CHIP              | +              |
| Q9002<br>Q9002 | 2SB1218A0L                 | TRANSISTOR SI PNP CHIP              | +              |
| Q9002<br>Q9201 | B1ADCF000063               | TRANSISTOR SI PNP CHIP              |                |
| Q9201<br>Q9201 | 2SD1819A0L<br>B1ABCF000020 | TRANSISTOR SI NPN CHIP              | +              |
| Q9201<br>Q9202 | 2SD1819A0L                 | TRANSISTOR SI NPN CHIP              | +              |
| 2,200          | -021019801                 |                                     |                |

DIODES

|              |              | DIODES                  |             |
|--------------|--------------|-------------------------|-------------|
| Ref.         | Part No.     | Part Name & Description | Remarks     |
| No.          |              |                         |             |
| D401         | B0EAKL000049 | DIODE SI                |             |
| D401         | B0EAKL000044 | DIODE SI                |             |
| D401         | BOEAKL000045 | DIODE SI                |             |
| D502         | MA2C165001VT | DIODE SI                |             |
| D502         | B0AACK000004 | DIODE SI                |             |
| D502         | 188119       | DIODE SI                |             |
| D503         | B0HAGP000011 | DIODE SI                |             |
| D503         | В0НАЈР000012 | DIODE SI                |             |
| D504         | MAZ40470MF   | DIODE ZENER 4.7V        |             |
| D504         | MAZ40470HF   | DIODE ZENER 4.7V        |             |
| D504         | RD4.7ESAB    | DIODE ZENER 4.7V        |             |
| D504         | RD4.7ESAB2   | DIODE ZENER 4.7V        |             |
| D504         | 04AZ4.7ZTPA7 | DIODE ZENER 4.7V        |             |
| D507         | MA2C165001VT | DIODE SI                |             |
| D507         | BOAACKOOOO4  | DIODE SI                |             |
| D507         | 188119       | DIODE SI                |             |
| D553         | B0HAGP000011 | DIODE SI                |             |
| D553         | B0HAJP000012 |                         |             |
|              |              | DIODE SI                |             |
| D554         | BOAAELOOOOO1 | DIODE SI                |             |
| D554         | MA2C16700E   | DIODE SI                | +           |
| D558         | B0HAGP000011 | DIODE SI                | +           |
| D558         | B0HAJP000012 | DIODE SI                |             |
| D560         | ERB44-04V    | DIODE SI                |             |
| D571         | MAZ40470MF   | DIODE ZENER 4.7V        |             |
| D571         | B0BA4R600003 | DIODE ZENER 4.7V        | 1           |
| D571         | RD4.7ESAB2   | DIODE ZENER 4.7V        |             |
| D572         | MAZ4110NHF   | DIODE ZENER 11V         |             |
| D573         | MA2C165001VT | DIODE SI                |             |
| D573         | BOAACK000004 | DIODE SI                |             |
| D573         | 188119       | DIODE SI                |             |
| D574         | MA2C165001VT | DIODE SI                |             |
| D574         | B0AACK000004 | DIODE SI                |             |
| D574         | 188119       | DIODE SI                |             |
| D591         | D4DDF5R00002 | THERMISTOR              | Δ           |
| D591         | VRPSKF5JM050 | THERMISTOR              | Δ           |
| D801         | BOAAKT000010 | DIODE SI                | Δ           |
| D801         | B0EAKT000027 | DIODE SI                | Δ           |
| D801         | B0EAKT000030 | DIODE SI                | Δ           |
| D802         | B0AAKT000010 | DIODE SI                | Δ           |
| D802         | B0EAKT000027 | DIODE SI                | Δ           |
| D802         | B0EAKT000030 | DIODE SI                | Δ           |
| D803         | B0AAKT000010 | DIODE SI                | Δ           |
| D803         | B0EAKT000027 | DIODE SI                | Δ           |
| D803         | B0EAKT000030 | DIODE SI                | <u></u>     |
| D804         | BOAAKT000010 | DIODE SI                | $\triangle$ |
| D804         | BOEAKT000027 | DIODE SI                | $\triangle$ |
|              | BOEAKT000030 | DIODE SI                | $\triangle$ |
| D804<br>D805 | MA2C16700E   | DIODE SI                | 1           |
| D805         | BOARELOOOOO1 | DIODE SI                | +           |
|              | <del> </del> |                         | <u> </u>    |
| D881         | ERZV10V361CS | SURGE ABSORBER          | <u> </u>    |
| D881         | D4EAA3610001 | SURGE ABSORBER          | <u> </u>    |
| D882         | ERZV10V361CS | SURGE ABSORBER          | <u> </u>    |
| D882         | D4EAA3610001 | SURGE ABSORBER          | <u>A</u>    |
| D1001        | DB105G       | DIODE SI                | <u> </u>    |
| D1001        | BOEBKR000003 | DIODE SI                | <u> </u>    |
| D1001        | B0EBKR000020 | DIODE SI                | Δ           |
| D1001        | BOEBKR000024 | DIODE SI                | Δ           |
| D1002        | В0НАНР000014 | DIODE SI                |             |
| D1002        | В0НАЈР000007 | DIODE SI                | 1           |
| D1002        | B0HAMP000061 | DIODE SI                | 1           |
| D1002        | B0HAMP000069 | DIODE SI                |             |
| D1003        | B0HAHP000014 | DIODE SI                |             |
| D1003        | вонајрооооо7 | DIODE SI                |             |
| D1003        | B0HAMP000061 | DIODE SI                |             |
| D1003        | B0HAMP000069 | DIODE SI                |             |
| D1005        | вонанроооо14 | DIODE SI                |             |
| D1005        | В0НАЈР000007 | DIODE SI                |             |
| D1005        | B0HAMP000061 | DIODE SI                |             |
| D1005        | вонамроооо69 | DIODE SI                |             |
| D1006        | B0HAML000015 | DIODE SI                |             |
| D1006        | B0HANL000012 | DIODE SI                |             |
| D1008        | B0JAME000079 | DIODE SI                |             |
|              | 120022200079 | 1 <b></b>               |             |

| Ref.   Part No.   Part Name & Description                  | Remarks     |
|--|-------------|
| D1008 B0JAME000049 DIODE SI<br>D1008 B0JANE000011 DIODE SI |             |
| D1008 B0JANE000011 DIODE SI                                |             |
|  |             |
| ID1008 B0.TANE000022 IDTODE ST                             |             |
| DIVOT DOGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG                |             |
| D1015 MA2180LA DIODE ZENER 18V                             | Δ           |
| D1015 B0BA01800025 DIODE ZENER 18V                         | Δ           |
| D1015 1N4746A-T DIODE ZENER 18V                            | Δ           |
| D1015 1N4746ARL DIODE ZENER 18V                            | Δ           |
| D1016 MA2C165001VT DIODE SI                                |             |
| D1016 B0AACK000004 DIODE SI                                |             |
| D1016   1SS119   DIODE SI                                  |             |
| D1051 MAZ4110NHF DIODE ZENER 11V                           |             |
| D1071 B0HAHP000014 DIODE SI                                |             |
| D1071 B0HAJP000007 DIODE SI                                |             |
| D1071 B0HAMP000061 DIODE SI                                |             |
| D1071 B0HAMP000069 DIODE SI                                |             |
| D4171 MA2C165001VT DIODE SI                                |             |
| D4171 B0AACK000004 DIODE SI                                |             |
| D4171   1SS119   DIODE SI                                  |             |
| D4526 MAZ40560MF DIODE ZENER 5.6V                          |             |
| D4527 MAZ40560MF DIODE ZENER 5.6V                          |             |
| D4528 MAZ40390HF DIODE ZENER 3.9V                          |             |
| D4711 MAZ41100LF DIODE ZENER 11V                           |             |
| D4711 MAZ4110NHF DIODE ZENER 11V                           |             |
| D5501 MAZ40620L1KT DIODE ZENER 6.2V                        | $\triangle$ |
| D5602 MA2C165001VT DIODE SI                                |             |
| D5602 B0AACK000004 DIODE SI                                |             |
| D5602 1SS119 DIODE SI                                      |             |
| D5603 MA2C165001VT DIODE SI                                |             |
| D5603 B0AACK000004 DIODE SI                                |             |
| D5603 1SS119 DIODE SI                                      |             |
| D6001 VEKS5708 SENSOR LED UNIT                             |             |
| D6003 MA2C165001VT DIODE SI                                |             |
| D6003 B0AACK000004 DIODE SI                                |             |
| D6003 1SS119 DIODE SI                                      |             |
| D6005 MA2C165001VT DIODE SI                                |             |
| D6005 B0AACK000004 DIODE SI                                |             |
| D6005 1SS119 DIODE SI                                      |             |
| D6301 B3AAA0000538 LIGHT EMITTING DIODE RED                |             |
| D6302 B3ACA0000192 LIGHT EMITTING DIODE ORANGE             |             |
| D6303 B3ABA0000400 LIGHT EMITTING DIODE GREEN              |             |
| D9301 MA2C165001VT DIODE SI                                |             |
| D9301 B0AACK000004 DIODE SI                                |             |
| D9301 1SS119 DIODE SI                                      |             |

RESISTORS

| Ref.<br>No. | Part No.     | Part Name & Description         | Remarks     |
|-------------|--------------|---------------------------------|-------------|
| R401        | ERDS2TJ471   | CARBON 1/4W 470                 |             |
| R402        | ERDS2TJ223   | CARBON 1/4W 22K                 |             |
| R409        | ERJ6GEYJ333V | MGF CHIP 1/10W 33K              |             |
| R410        | ERDS2TJ392   | CARBON 1/4W 3.9K                |             |
| R411        | ERDS2TJ823   | CARBON 1/4W 82K                 |             |
| R413        | ERJ6GEYJ273V | MGF CHIP 1/10W 27K              |             |
| R414        | ERDS1FJ1R2P  | CARBON 1/2W 1.2                 | $\triangle$ |
| R422        | ERD25FJ101P  | CARBON 1/4W 100                 | $\triangle$ |
| R427        | ERQ14AJ5R6P  | FUSE 1/4W 5.6                   | $\Delta$    |
| R431        | ERDS2TJ103   | CARBON 1/4W 10K                 |             |
| R432        | ERJ6GEYJ563V | MGF CHIP 1/10W 56K              |             |
| R433        | ERJ6GEYJ153V | MGF CHIP 1/10W 15K              |             |
| R434        | ERDS2TJ103   | CARBON 1/4W 10K                 |             |
| R435        | ERDS2TJ102   | CARBON 1/4W 1K                  |             |
| R436        | ERJ6GEYJ104V | MGF CHIP 1/10W 100K             |             |
| R466        | ERJ6GEYJ683V | MGF CHIP 1/10W 68K              |             |
| R468        | ERDS2TJ102   | CARBON 1/4W 1K                  |             |
| R471        | ERDS1FJ152P  | CARBON 1/2W 1.5K                | $\Delta$    |
| R501        | ERJ6GEYJ471V | MGF CHIP 1/10W 470              |             |
| R502        | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K             |             |
| R503        | EROS2THF7871 | PRECISION METAL FILM 1/4W 7.87K | Δ           |
| R503        | EROS2TKF7871 | PRECISION METAL FILM 1/4W 7.87K | Δ           |
| R504        | ERJ6GEY0R00V | MGF CHIP 1/10W 0                |             |
| R505        | ERDS2TJ561   | CARBON 1/4W 560                 |             |
| R509        | ERDS2TJ101   | CARBON 1/4W 100                 |             |

| Ref.           | Part No.                    | Part Name & Description               | Remarks     |
|----------------|-----------------------------|---------------------------------------|-------------|
| No.            |                             | -                                     |             |
| R511           | ERG3FJ222H                  | METAL OXIDE 3W 0.22                   |             |
| R516           | LAR05222J09                 | W FLMPRF 5W 2.2K                      |             |
| R517           | ERDS2TJ472                  | CARBON 1/4W 4.7K                      |             |
| R518           | ERDS1FJ1R0P                 | CARBON 1/2W 1                         |             |
| R519           | ERDS2TJ123                  | CARBON 1/4W 12K                       |             |
| R520           | ERDS2TJ562                  | CARBON 1/4W 5.6K                      |             |
| R525<br>R529   | ERDS2TJ122<br>ERDS2TJ103    | CARBON 1/4W 1.2K<br>CARBON 1/4W 10K   |             |
| R531           | ERDS2TJ223                  | CARBON 1/4W 22K                       |             |
| R533           | ERDS2TJ152                  | CARBON 1/4W 1.5K                      |             |
| R534           | ERDS2TJ681                  | CARBON 1/4W 680                       |             |
| R535           | ERDS2TJ471                  | CARBON 1/4W 470                       |             |
| R536           | ERG2ANJ153H                 | METAL OXIDE 2W 15K                    |             |
| R536           | ERG2ANJP153H                | METAL OXIDE 2W 15K                    |             |
| R537           | ERG2ANJ153H                 | METAL OXIDE 2W 15K                    |             |
| R537           | ERG2ANJP153H                | METAL OXIDE 2W 15K                    |             |
| R538           | ERDS2TJ473                  | CARBON 1/4W 47K                       |             |
| R539           | ERDS2TJ473                  | CARBON 1/4W 47K                       |             |
| R540           | ERDS2TJ562                  | CARBON 1/4W 5.6K                      |             |
| R541           | ERDS2TJ222                  | CARBON 1/4W 2.2K                      |             |
| R542           | ERDS2TJ473                  | CARBON 1/4W 47K                       |             |
| R543<br>R544   | ERDS2TJ102<br>ERDS2TJ101    | CARBON 1/4W 1K<br>CARBON 1/4W 100     |             |
| R545           | ERDS2TJ152                  | CARBON 1/4W 1.5K                      |             |
| R546           | ERDS2TJ223                  | CARBON 1/4W 22K                       |             |
| R552           | ERDS2TJ472                  | CARBON 1/4W 4.7K                      |             |
| R553           | ERDS2TJ102                  | CARBON 1/4W 1K                        |             |
| R554           | ERDS2TJ123                  | CARBON 1/4W 12K                       |             |
| R555           | ERDS2TJ823                  | CARBON 1/4W 82K                       |             |
| R556           | ERDS2TJ823                  | CARBON 1/4W 82K                       |             |
| R558           | ERG2ANJ561H                 | METAL OXIDE 2W 560                    |             |
| R559           | ERDS2TJ123                  | CARBON 1/4W 12K                       |             |
| R561           | ERQ1CKPR47S                 | FUSE 1W 0.47                          | Δ           |
| R562           | ERF2AK3R9P                  | W FLMPRF 2W 3.9                       |             |
| R571           | ERDS2TJ101                  | CARBON 1/4W 100                       |             |
| R572           | ERJ6GEYJ331V                | MGF CHIP 1/10W 330                    |             |
| R573<br>R574   | ERDS2TJ221<br>ERJ6GEYJ273V  | CARBON 1/4W 220<br>MGF CHIP 1/10W 27K |             |
| R581           | ERDS1FJ1R5P                 | CARBON 1/2W 1.5                       | Δ           |
| R582           | ERDS1FJ1R5P                 | CARBON 1/2W 1.5                       | Δ           |
| R584           | ERDS2TJ272                  | CARBON 1/4W 2.7K                      |             |
| R585           | ERDS2TJ473                  | CARBON 1/4W 47K                       |             |
| R586           | ERDS2TJ393                  | CARBON 1/4W 39K                       |             |
| R593           | ERF5ZJ121                   | W FLMPRF 5W 120                       |             |
| R801           | ERF3AKR82                   | W FLMPRF 3W 0.82                      | $\triangle$ |
| R802           | ERDS1FJ103P                 | CARBON 1/2W 10K                       | Δ           |
| R804           | ERF15ZJ181                  | W FLMPRF 15W 180                      |             |
| R805           | ERDS2TJ104                  | CARBON 1/4W 100K                      |             |
| R806           | ERQ14AJ470P                 | FUSE 1/4W 47                          | Δ           |
| R810           | ERDS2TJ103                  | CARBON 1/4W 10K                       |             |
| R813<br>R818   | PRESC2TK825T                | CARBON 1/4W 100K<br>SOLID 1/2W 8.2M   | $\triangle$ |
| R865           | ERDS2TJ222                  | CARBON 1/4W 2.2K                      |             |
| R1003          | D0AF334JA038                | CARBON 1/2W 330K                      |             |
| R1004          | ERG2SJ333H                  | METAL OXIDE 2W 33K                    |             |
| R1005          | ERG1SJ560P                  | METAL OXIDE 1W 56                     |             |
| R1006          | ERJ6GEYJ222V                | MGF CHIP 1/10W 2.2K                   |             |
| R1007          | ERDS2TJ101                  | CARBON 1/4W 100                       |             |
| R1008          | ERDS2TJ392                  | CARBON 1/4W 3.9K                      |             |
| R1010          | ERD25FJ100P                 | CARBON 1/4W 10                        | ⚠           |
| R1014          | ERJ6GEYJ221V                | MGF CHIP 1/10W 220                    |             |
| R1015          | ERJ6GEYJ222V                | MGF CHIP 1/10W 2.2K                   |             |
| R1016          | ERJ6GEYJ102V                | MGF CHIP 1/10W 1K                     |             |
| R1017          | D1BD2431A016                | MGF CHIP 1/10W 2.43K                  |             |
| R1018<br>R1025 | D0HD222ZA002<br>ERDS2TJ300T | MGF CHIP 1/10W 2.2K<br>CARBON 1/4W 30 |             |
| R1025          | ERDS2TJ300T                 | CARBON 1/4W 30                        |             |
| R1051          | ERJ6GEYJ122V                | MGF CHIP 1/10W 1.2K                   |             |
| R1052          | ERDS2TJ153                  | CARBON 1/4W 15K                       |             |
| R1053          | ERDS2TJ153                  | CARBON 1/4W 15K                       |             |
| R1057          | ERDS2TJ331                  | CARBON 1/4W 330                       |             |
| R1058          | ERJ6GEYJ104V                | MGF CHIP 1/10W 100K                   |             |
| R1070          | ERJ6GEYJ223V                | MGF CHIP 1/10W 22K                    |             |

| Ref.           | Part No.                     | Part Name & Description                 | Remarks |
|----------------|------------------------------|---|---------|
| No.            | PD TG CIPY T1 F AV           | MOR OUTD 1/10M 1FAM                     |         |
| R1071<br>R1072 | ERJ6GEYJ154V<br>ERJ6GEYJ152V | MGF CHIP 1/10W 150K MGF CHIP 1/10W 1.5K |         |
| R1073          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       |         |
| R1074          | ERDS2T0T                     | CARBON 1/4W 0                           |         |
| R3001          | ERDS2TJ101                   | CARBON 1/4W 100                         |         |
| R3006          | ERDS2TJ101                   | CARBON 1/4W 100                         |         |
| R3016          | ERJ6GEYJ121V                 | MGF CHIP 1/10W 120                      |         |
| R3017          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                      |         |
| R3024          | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                      |         |
| R3025          | ERJ6GEYJ125V                 | MGF CHIP 1/10W 1.2M                     |         |
| R3026          | ERJ6GEYJ474V                 | MGF CHIP 1/10W 470K                     |         |
| R3028          | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                     |         |
| R3029          | ERJ6GEYJ151V                 | MGF CHIP 1/10W 150                      |         |
| R3032          | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                     | -       |
| R3035          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                      | +       |
| R3036          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       | -       |
| R3037          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       | +       |
| R3038          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                     | +       |
| R3077<br>R3084 | ERJ6GEYJ101V<br>ERJ6GEYJ102V | MGF CHIP 1/10W 100<br>MGF CHIP 1/10W 1K | 1       |
| R3084<br>R3086 | ERJ6GEYJ102V<br>ERJ6GEYJ221V | MGF CHIP 1/10W 1K                       | 1       |
| R3086          | ERJ6GEYJ750V                 | MGF CHIP 1/10W 220<br>MGF CHIP 1/10W 75 | +       |
| R3301          | ERJ6GEYJ562V                 | MGF CHIP 1/10W /5 MGF CHIP 1/10W 5.6K   | 1       |
| R3302          | ERJ6GEYJ153V                 | MGF CHIP 1/10W 3.6K                     | 1       |
| R3303          | ERJ6GEYJ562V                 | MGF CHIP 1/10W 5.6K                     |         |
| R4001          | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                      |         |
| R4002          | ERJ6GEYJ334V                 | MGF CHIP 1/10W 330K                     | 1       |
| R4003          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                      |         |
| R4004          | ERJ6GEYJ333V                 | MGF CHIP 1/10W 33K                      |         |
| R4005          | ERJ6GEYJ225V                 | MGF CHIP 1/10W 2.2M                     |         |
| R4006          | ERJ6GEYJ681V                 | MGF CHIP 1/10W 680                      |         |
| R4007          | ERJ6GEYJ821V                 | MGF CHIP 1/10W 820                      |         |
| R4008          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K                      |         |
| R4009          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                      |         |
| R4010          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                      |         |
| R4011          | ERJ6GEYJ682V                 | MGF CHIP 1/10W 6.8K                     |         |
| R4012          | ERJ6GEYJ682V                 | MGF CHIP 1/10W 6.8K                     |         |
| R4014          | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                     |         |
| R4015          | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                     |         |
| R4018          | ERJ6GEYJ682V                 | MGF CHIP 1/10W 6.8K                     |         |
| R4021          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                      |         |
| R4101          | ERJ6GEYJ563V                 | MGF CHIP 1/10W 56K                      |         |
| R4102          | ERJ6GEYJ154V                 | MGF CHIP 1/10W 150K                     |         |
| R4103          | ERJ6GEYJ273V                 | MGF CHIP 1/10W 27K                      | +       |
| R4172          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       |         |
| R4175          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       | +       |
| R4502          | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                       | -       |
| R4504          | ERJ6GEYJ823V                 | MGF CHIP 1/10W 82K                      | +       |
| R4509          | ERDS2TJ100                   | CARBON 1/4W 10                          | +       |
| R4512<br>R4514 | ERJ6GEYJ102V<br>ERJ6GEYJ823V | MGF CHIP 1/10W 1K MGF CHIP 1/10W 82K    | 1       |
| R4514<br>R4519 | ERDS2TJ100                   | CARBON 1/4W 10                          | 1       |
| R4513          | ERQ1ABJP2R2S                 | FUSE 1W 2.2                             | $\bot$  |
| R4523          | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                        | +       |
| R4591          | ERDS2TJ681                   | CARBON 1/4W 680                         |         |
| R4592          | ERDS2TJ681                   | CARBON 1/4W 680                         | 1       |
| R4593          | ERDS2TJ681                   | CARBON 1/4W 680                         |         |
| R4594          | ERDS2TJ681                   | CARBON 1/4W 680                         |         |
| R4701          | ERJ6GEYJ561V                 | MGF CHIP 1/10W 560                      |         |
| R5301          | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                      |         |
| R5304          | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                      |         |
| R5305          | ERJ6GEYJ224V                 | MGF CHIP 1/10W 220K                     |         |
| R5306          | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                      |         |
| R5307          | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                        |         |
| R5308          | ERJ6GEYJ563V                 | MGF CHIP 1/10W 56K                      |         |
| R5309          | ERJ6GEYJ274V                 | MGF CHIP 1/10W 270K                     |         |
| R5311          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                      |         |
| R5312          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                      |         |
| DE212          | ERJ6GEYJ331V                 | MGF CHIP 1/10W 330                      | 1       |
| R5313          | 1                            | GADDON 1 /AW 2 77                       | 1       |
| R5313          | ERDS2TJ272                   | CARBON 1/4W 2.7K                        | +       |
| R5314<br>R5315 | ERDS2TJ272                   | CARBON 1/4W 2.7K                        |         |
| R5314          |                              |   |         |

| Ref.   Part No.   Part Name & Description   Remarks   No.    |       |              |                         |  |
|--|-------|--------------|-------------------------|--|
| R5324   REJGGENJOLV   MGF CHIP 1/10W 100   R5401   R540ENJ561V   MGF CHIP 1/10W 300K   R5402   R540ENJ594V   MGF CHIP 1/10W 300K   R5402   R540ENJ594V   MGF CHIP 1/10W 100   R5406   R540ENJ594V   MGF CHIP 1/10W 100   R5501   R540ENJ594V   MGF CHIP 1/10W 100   R5501   R560ENJ394V   MGF CHIP 1/10W 100   R5501   R560ENJ394V   MGF CHIP 1/10W 300K   R5502   R560ENJ394V   MGF CHIP 1/10W 300K   R5502   R560ENJ394V   MGF CHIP 1/10W 300K   R5503   RR05GENJ304V   MGF CHIP 1/10W 3.24K   Å   |       | Part No.     | Part Name & Description | Remarks  |
| R5401   R3/GGEYJS51V   MGP CHIP 1/10W 500   R5402   R3/GGEYJ32V   MGP CHIP 1/10W 220   R5405   R3/GGEYJ32V   MGP CHIP 1/10W 220   R5405   R3/GGEYJ32V   MGP CHIP 1/10W 470   R5501   R3/GGEYJ32V   MGP CHIP 1/10W 470   R5501   R3/GGEYJ10V   MGP CHIP 1/10W 470   R5502   R3/GGEYJ10V   MGP CHIP 1/10W 470   R5503   R57/GGEYJ394V   MGP CHIP 1/10W 100   R5505   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5506   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5506   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5506   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5506   R3/GGEYJ41V   MGP CHIP 1/10W 500   R5506   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ41V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5511   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5604   R3/GGEYJ32V   MGP CHIP 1/10W 100   R5604   R3/GGEYJ32V   MGP CHIP 1/10W 12K   R5612   R3/GGEYJ32V   MGP CHIP 1/10W 12K   R5612   R3/GGEYJ32V   MGP CHIP 1/10W 10K   R5614   R3/GGEYJ32V   MGP CHIP 1/10W 10K   R5933   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R5933   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6002   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6002   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6004   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6004   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6004   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6001   R3/GGEYJ10V   MGP CHIP 1/10W 10K   R6002   R3/GGEYJ10V    |       |              |                         |  |
| R5402   RRJGGENJ394V   MGF CHIP 1/10W 390K   R8403   RRJGGENJ322V   MGF CHIP 1/10W 3.0K   R8405   RRJGGENJ322V   MGF CHIP 1/10W 100   RRJGGENJ401V   MGF CHIP 1/10W 100   RRJGGENJ471V   MGF CHIP 1/10W 470   RRJGGENJ471V   MGF CHIP 1/10W 390K   RRJGGENJ471V   MGF CHIP 1/10W 390K   RRJGGENJ471V   MGF CHIP 1/10W 390K   RRJGGENJ471V   MGF CHIP 1/10W 390K   RRJGGENJ471V   MGF CHIP 1/10W 390K   RRJGGENJ401V   MGF CHIP 1/10W 30K   RRJGGENJ401V   MGF CHIP 1/10W 100   |       |              |                         |  |
| READ   REJGGENJELVE   MGF CHIP   1/10W   220   |       | ERJ6GEYJ561V |                         |  |
| R5405   RRJGGENJ822V   MGF CHIP 1/10W 8.2K   R5406   RRJGGENJ910V   MGF CHIP 1/10W 100   R5501   RRJGGENJ94V   MGF CHIP 1/10W 390K   R5502   RRJGGENJ94V   MGF CHIP 1/10W 390K   R5503   RRJGGENJ94V   MGF CHIP 1/10W 100   R5505   RRJGGENJ94V   MGF CHIP 1/10W 100   R5505   RRJGGENJ94V   MGF CHIP 1/10W 100   R5506   RRJGGENJ94V   MGF CHIP 1/10W 100   R5506   RRJGGENJ94V   MGF CHIP 1/10W 100   R5508   RRJGGENJ96V   MGF CHIP 1/10W 560   R5510   RRJGGENJ96V   MGF CHIP 1/10W 560   R5511   RRJGGENJ96V   MGF CHIP 1/10W 2.K   R5511   RRJGGENJ96V   MGF CHIP 1/10W 2.K   R5512   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5513   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5514   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5512   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5614   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5614   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ972V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ902V   MGF CHIP 1/10W 2.TK   R5612   RRJGGENJ902V   MGF CHIP 1/10W 1.TK   R5902   RRJGGENJ102V   MGF CHIP 1/10W 1    | R5402 | ERJ6GEYJ394V | ·                       |  |
| R5406   RRJGGEYJ101V   MGF CHIP 1/10W 100   R5501   RRJGGEYJ394W   MGF CHIP 1/10W 390K   R5502   RRJGGEYJ394W   MGF CHIP 1/10W 390K   R5503   RRJGGEYJ3101V   MGF CHIP 1/10W 3.24K   Å   A   A   A   A   A   A   A   A   A   | R5403 | ERJ6GEYJ221V | MGF CHIP 1/10W 220      |  |
| RESOL   REJGGEZJ471V   MGF CHIP 1/10W 470   RESOL   REJGGEZJ394V   MGF CHIP 1/10W 390K   RESOL   REJGGEZJ471   CARRON 1/4W 470   RESOL   REJGGEZJ471V   MGF CHIP 1/10W 100   RESOL   REJGGEZJ471V   MGF CHIP 1/10W 100   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 47K   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 47K   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 47K   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 47K   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 100   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 100   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 100   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 100   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 100   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 12Z   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 12Z   RESEL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESS33   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESS33   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 10X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W 1X   RESOL   REJGGEZJ473V   MGF CHIP 1/10W    | R5405 | ERJ6GEYJ822V | MGF CHIP 1/10W 8.2K     |  |
| R5502   REJGGEYJ394V   MGF CHIP 1/10W 390K   R5503   RRJ6GEYJ101V   MGF CHIP 1/10W 1.00   R5505   RRJ6GEYJ101V   MGF CHIP 1/10W 3.24K   ∆   ∆   A   A   A   A   A   A   A   A  | R5406 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| RESS03   | R5501 | ERJ6GEYJ471V | MGF CHIP 1/10W 470      |  |
| R5504  | R5502 | ERJ6GEYJ394V | MGF CHIP 1/10W 390K     |  |
| RE506  | R5503 | ERDS2TJ471   | CARBON 1/4W 470         |  |
| R5506 RRJ6GRYJ473V MGP CHIP 1/10W 47K R5508 RRJ6GRYJ561V MGP CHIP 1/10W 560 R5510 RRJ6GRYJ122V MGP CHIP 1/10W 100 R5511 RRJ6GRYJ122V MGP CHIP 1/10W 1.00 R5511 RRJ6GRYJ122V MGP CHIP 1/10W 2.2K R5512 RRD82TJJ51 CARBON 1/4W 150 R5513 RRJ6GRYJ127V MGP CHIP 1/10W 2.7K R5604 RRJ6GRYJ127V MGP CHIP 1/10W 2.7K R5604 RRJ6GRYJ32V MGP CHIP 1/10W 3.3K R5616 RRJ6GRYJ223V MGP CHIP 1/10W 3.3K R5611 RRJ6GRYJ223V MGP CHIP 1/10W 22K R5612 RRJ6GRYJ223V MGP CHIP 1/10W 22K R5612 RRJ6GRYJ223V MGP CHIP 1/10W 12K R5614 RRJ6GRYJ23V MGP CHIP 1/10W 10C R5610 RRJ6GRYJ101V MGP CHIP 1/10W 10C R5902 RRJ6GRYJ101V MGP CHIP 1/10W 10C R5932 RRJ6GRYJ101V MGP CHIP 1/10W 10C R5933 RRJ6GRYJ101V MGP CHIP 1/10W 10C R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6002 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6003 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6004 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6005 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6006 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6006 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6007 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10K R6001 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6011 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6012 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6013 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6014 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6015 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6016 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6017 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6018 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6019 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6010 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6011 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6023 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6030 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6040 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6041 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6052 RRJ6GRYJ103V MGP CHIP 1/10W 10C R6053 RRJ6GRYJ103V MGP CHIP 1/10W 10C R60640 RRJ6GRYJ103V MGP CHIP 1/10W 10C R60650 RRJ6GRYJ103V MGP CHIP 1/1 | R5504 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| RS508 RJ6GRYJ561V MGP CHIP 1/10W 560 RS510 RR5GRYJ010V MGP CHIP 1/10W 100 RS511 RR5GRYJ101V MGP CHIP 1/10W 100 RS512 RRDS2TJ151 CARBON 1/4W 150 RS513 RR5GRYJ101V MGP CHIP 1/10W 100 RS501 RRJ6GRYJ101V MGP CHIP 1/10W 3.3K RS511 RR5GRYJ223V MGP CHIP 1/10W 2.TK RS504 RJ6GRYJ232V MGP CHIP 1/10W 2.TK RS604 RJ6GRYJ232V MGP CHIP 1/10W 2.TK RS612 RRJ6GRYJ232V MGP CHIP 1/10W 2.TK RS612 RRJ6GRYJ232V MGP CHIP 1/10W 2.TK RS612 RRJ6GRYJ232V MGP CHIP 1/10W 2.TK RS612 RRJ6GRYJ232V MGP CHIP 1/10W 2.TK RS612 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS612 RRJ6GRYJ101V MGP CHIP 1/10W 1.TM RS932 RRJ6GRYJ101V MGP CHIP 1/10W 1.TM RS933 RRJ6GRYJ101V MGP CHIP 1/10W 1.TM RS933 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6002 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6003 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6004 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6005 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6006 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6006 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6007 RRJ6GRYJ103V MGP CHIP 1/10W 1.TM RS6008 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6011 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6011 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6011 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6012 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6013 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6014 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6015 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6016 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6017 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6018 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6019 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6019 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6010 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6011 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6012 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6013 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6014 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6017 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6018 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6020 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6031 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6032 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6033 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6034 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6035 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM RS6040 RRJ6GRYJ102V MGP CHIP 1/10W 1.TM R | R5505 | ERJ6ENF3241V | MGF CHIP 1/10W 3.24K    | $\triangle$                                      |
| RS510 RRJ6GRYJ101V MGP CHIP 1/10W 100 RS511 RRJ6GRYJ222V MGF CHIP 1/10W 2.2X RS513 RRJ6GRYJ101V MGP CHIP 1/10W 100 RS501 RRJ6GRYJ2772V MGP CHIP 1/10W 100 RS501 RRJ6GRYJ273V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ223V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ223V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ223V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ223V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ223V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ233V MGP CHIP 1/10W 2.7X RS501 RRJ6GRYJ102V MGP CHIP 1/10W 10X RS501 RRJ6GRYJ102V MGP CHIP 1/10W 10X RS502 RRJ6GRYJ101V MGP CHIP 1/10W 10X RS502 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS503 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS600 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS601 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS602 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS604 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS603 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS604 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS604 RRJ6GRYJ103V MGP CHIP 1/10W 10X RS605 RRJ6GRYJ103V MGP  | R5506 | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |  |
| R5511 REJGGEYJ222V MGF CHIP 1/10W 1.00 R5501 REJGGEYJ151 CARBON 1/4W 150 R5513 REJGGEYJ127V MGF CHIP 1/10W 1.00 R5601 REJGGEYJ272V MGF CHIP 1/10W 2.7K R5604 REJGGEYJ232V MGF CHIP 1/10W 2.7K R5604 REJGGEYJ233V MGF CHIP 1/10W 2.2K R5611 REJGGEYJ233V MGF CHIP 1/10W 2.2K R5612 REJGGEYJ233V MGF CHIP 1/10W 2.2K R5612 REJGGEYJ233V MGF CHIP 1/10W 56K R5612 REJGGEYJ102V MGF CHIP 1/10W 10 R5613 REJGGEYJ102V MGF CHIP 1/10W 10 R5610 REJGGEYJ102V MGF CHIP 1/10W 10 R5611 REJGGEYJ102V MGF CHIP 1/10W 10 R5932 REJGGEYJ101V MGF CHIP 1/10W 10 R5933 REJGGEYJ103V MGF CHIP 1/10W 10 R6001 REJGGEYJ103V MGF CHIP 1/10W 10 R6002 REJGGEYJ103V MGF CHIP 1/10W 10K R6003 REJGGEYJ102V MGF CHIP 1/10W 10K R6004 REJGGEYJ102V MGF CHIP 1/10W 1K R6005 REJGGEYJ102V MGF CHIP 1/10W 1K R6006 REJGGEYJ102V MGF CHIP 1/10W 1K R6007 REJGGEYJ102V MGF CHIP 1/10W 1K R6008 REJGGEYJ102V MGF CHIP 1/10W 1K R6008 REJGGEYJ102V MGF CHIP 1/10W 1K R6010 REJGGEYJ102V MGF CHIP 1/10W 1K R6011 REJGGEYJ102V MGF CHIP 1/10W 1K R6011 REJGGEYJ102V MGF CHIP 1/10W 1K R6012 REJGGEYJ102V MGF CHIP 1/10W 1K R6013 REJGGEYJ102V MGF CHIP 1/10W 1K R6014 REJGGEYJ102V MGF CHIP 1/10W 1K R6015 REJGGEYJ102V MGF CHIP 1/10W 1K R6016 REJGGEYJ102V MGF CHIP 1/10W 1K R6017 REJGGEYJ102V MGF CHIP 1/10W 10 R6018 REJGGEYJ102V MGF CHIP 1/10W 10 R6019 REJGGEYJ102V MGF CHIP 1/10W 10 R6019 REJGGEYJ102V MGF CHIP 1/10W 10 R6010 REJGGEYJ102V MGF CHIP 1/10W 10 R6011 REJGGEYJ102V MGF CHIP 1/10W 10 R6012 REJGGEYJ102V MGF CHIP 1/10W 10 R6013 REJGGEYJ102V MGF CHIP 1/10W 10 R6014 REJGGEYJ102V MGF CHIP 1/10W 10 R6015 REJGGEYJ102V MGF CHIP 1/10W 10 R6016 REJGGEYJ102V MGF CHIP 1/10W 10 R6017 REJGGEYJ102V MGF CHIP 1/10W 10 R6018 REJGGEYJ102V MGF CHIP 1/10W 10 R6019 REJGGEYJ102V MGF CHIP 1/10W 10 R6020 REJGGEYJ102V MGF CHIP 1/10W 10 R6021 REJGGEYJ102V MGF CHIP 1/10W 10 R6022 REJGGEYJ102V MGF CHIP 1/10W 10 R6023 REJGGEYJ102V MGF CHIP 1/10W 10 R6024 REJGGEYJ102V MGF CHIP 1/10W 10 R6025 REJGGEYJ102V MGF CHIP 1/10W 10 R6026 REJGGEYJ102V MGF CHIP 1/10W 10 R6037 REJGGEYJ102V MGF CHIP 1/10W 10 R6044 REJGGEYJ102V MGF CHIP 1/10W  | R5508 | ERJ6GEYJ561V | MGF CHIP 1/10W 560      |  |
| R5512 ERDS2TJ151 CARBON 1/4W 150 R5513 ENJGGENJ1017 MGF CHIP 1/10W 2.7K R5604 ERJGGENJ332V MGF CHIP 1/10W 2.7K R5604 ERJGGENJ332V MGF CHIP 1/10W 2.7K R5604 ERJGGENJ233V MGF CHIP 1/10W 2.7K R5611 ENJGGENJ233V MGF CHIP 1/10W 22K R5612 ENJGGENJ233V MGF CHIP 1/10W 22K R5614 ERJGGENJ103V MGF CHIP 1/10W 12K R5932 ENJGGENJ101V MGF CHIP 1/10W 100 R5933 ERJGGENJ101V MGF CHIP 1/10W 100 R5933 ERJGGENJ103V MGF CHIP 1/10W 100 R6001 ENJGGENJ103V MGF CHIP 1/10W 10K R6002 ENJGGENJ103V MGF CHIP 1/10W 10K R6003 ENJGGENJ102V MGF CHIP 1/10W 10K R6004 ENJGGENJ102V MGF CHIP 1/10W 10K R6005 ENJGGENJ102V MGF CHIP 1/10W 10K R6006 ENJGGENJ102V MGF CHIP 1/10W 10K R6006 ENJGGENJ102V MGF CHIP 1/10W 10K R6007 ENJGGENJ102V MGF CHIP 1/10W 10K R6008 ENJGGENJ102V MGF CHIP 1/10W 10K R6009 ENJGGENJ102V MGF CHIP 1/10W 10K R6010 ENJGGENJ102V MGF CHIP 1/10W 10K R6010 ENJGGENJ102V MGF CHIP 1/10W 10K R6010 ENJGGENJ102V MGF CHIP 1/10W 10K R6011 ENJGGENJ102V MGF CHIP 1/10W 10K R6012 ENJGGENJ102V MGF CHIP 1/10W 10K R6013 ENJGGENJ102V MGF CHIP 1/10W 10K R6014 ENJGGENJ102V MGF CHIP 1/10W 10K R6015 ENJGGENJ102V MGF CHIP 1/10W 10K R6016 ENJGGENJ101V MGF CHIP 1/10W 10C R6017 ENJGGENJ101V MGF CHIP 1/10W 10C R6018 ENJGGENJ101V MGF CHIP 1/10W 10C R6019 ENJGGENJ101V MGF CHIP 1/10W 10C R6010 ENJGGENJ101V MGF CHIP 1/10W 10C R6011 ENJGGENJ101V MGF CHIP 1/10W 10C R6012 ENJGGENJ101V MGF CHIP 1/10W 10C R6013 ENJGGENJ101V MGF CHIP 1/10W 10C R6014 ENJGGENJ101V MGF CHIP 1/10W 10C R6015 ENJGGENJ101V MGF CHIP 1/10W 10C R6016 ENJGGENJ101V MGF CHIP 1/10W 10C R6017 ENJGGENJ101V MGF CHIP 1/10W 10C R6020 ENJGGENJ101V MGF CHIP 1/10W 10C R6021 ENJGGENJ101V MGF CHIP 1/10W 10C R6022 ENJGGENJ101V MGF CHIP 1/10W 10C R6023 ENJGGENJ101V MGF CHIP 1/10W 10C R6024 ENJGGENJ101V MGF CHIP 1/10W 10C R6025 ENJGGENJ101V MGF CHIP 1/10W 10C R6026 ENJGGENJ101V MGF CHIP 1/10W 10C R6037 ENJGGENJ101V MGF CHIP 1/10W 10C R6040 ENJGGENJ101V MGF CHIP 1/10W 10C R6040 ENJGGENJ101V MGF CHIP 1/10W 10C R6040 ENJGGENJ101V MGF CHIP 1/10W 10C R6050 ENJGGENJ101V MGF CHIP 1/10W 10C R6050 ENJGGENJ101V MGF CHIP 1/10W | R5510 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R5513 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5601 ERJ6GEYJ322V MGF CHIP 1/10W 3.3K R5611 RRJ6GEYJ323V MGF CHIP 1/10W 3.3K R5611 RRJ6GEYJ323V MGF CHIP 1/10W 3.3K R5611 ERJ6GEYJ323V MGF CHIP 1/10W 22K R5612 ERJ6GEYJ102V MGF CHIP 1/10W 12K R5614 ERJ6GEYJ102V MGF CHIP 1/10W 10K R5614 ERJ6GEYJ101V MGF CHIP 1/10W 10K R5902 ERJ6GEYJ101V MGF CHIP 1/10W 10C R5933 ERJ6GEYJ101V MGF CHIP 1/10W 10C R5933 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6007 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6013 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6016 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6017 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6018 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6010 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6011 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6012 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6013 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6014 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6015 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6021 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6022 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6023 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6024 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6025 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6026 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6056 ERJ6GEYJ102V MGF CHIP 1 | R5511 | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K     |  |
| R5601 ERJ6GEYJ327V MGF CHIP 1/10W 2.7K R5604 ERJ6GEYJ323V MGF CHIP 1/10W 22K R5611 ERJ6GEYJ223V MGF CHIP 1/10W 22K R5612 ERJ6GEYJ223V MGF CHIP 1/10W 22K R5614 ERJ6GEYJ223V MGF CHIP 1/10W 12K R5612 ERJ6GEYJ102V MGF CHIP 1/10W 10 R5932 ERJ6GEYJ101V MGF CHIP 1/10W 10 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 10 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 10 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6007 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6009 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6015 ERJ6GEYJ10V MGF CHIP 1/10W 10K R6016 ERJ6GEYJ10V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ10V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ10V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6011 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6012 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6013 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6014 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6015 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6021 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6022 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6023 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6024 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6025 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6055 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 10C R | R5512 | ERDS2TJ151   | CARBON 1/4W 150         |  |
| R5604 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R5611 ERJ6GEYJ233V MGF CHIP 1/10W 22K R5614 ERJ6GEYJ233V MGF CHIP 1/10W 22K R5614 ERJ6GEYJ363V MGF CHIP 1/10W 12K R5612 ERJ6GEYJ102V MGF CHIP 1/10W 1K R5932 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6006 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6007 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6009 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6000 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6001 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6001 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6013 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6010 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6011 ERJ6GEYJ102V MGF CHIP 1/10W 10O R6012 ERJ6GEYJ103V MGF CHIP 1/10W 1X R6022 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6033 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ103V MGF CHIP 1/10W 1X R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6023 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6033 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1X R6049 ERJ6GEYJ102V MGF CHIP 1/10W  | R5513 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R5611 RRJGGEYJ223V MGF CHIP 1/10W 22K R5614 ERJGGEYJ563V MGF CHIP 1/10W 25K R5614 ERJGGEYJ563V MGF CHIP 1/10W 1K R5932 ERJGGEYJ101V MGF CHIP 1/10W 10 R5933 RBJGGEYJ101V MGF CHIP 1/10W 100 R5933 RBJGGEYJ101V MGF CHIP 1/10W 100 R5933 RBJGGEYJ103V MGF CHIP 1/10W 10K R6001 ERJGGEYJ103V MGF CHIP 1/10W 10K R6002 ERJGGEYJ103V MGF CHIP 1/10W 10K R6003 RBJGGEYJ102V MGF CHIP 1/10W 10K R6004 ERJGGEYJ102V MGF CHIP 1/10W 10K R6005 ERJGGEYJ102V MGF CHIP 1/10W 10K R6006 ERJGGEYJ102V MGF CHIP 1/10W 10K R6007 RBJGGEYJ102V MGF CHIP 1/10W 10K R6008 ERJGGEYJ102V MGF CHIP 1/10W 10K R6009 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6010 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6011 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6012 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6014 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6015 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6016 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6017 ERJGGEYJ101V MGF CHIP 1/10W 1CK R6018 ERJGGEYJ101V MGF CHIP 1/10W 10O R6018 ERJGGEYJ101V MGF CHIP 1/10W 10O R6019 ERJGGEYJ101V MGF CHIP 1/10W 10O R6010 ERJGGEYJ101V MGF CHIP 1/10W 10O R6011 ERJGGEYJ101V MGF CHIP 1/10W 10O R6012 ERJGGEYJ101V MGF CHIP 1/10W 10O R6013 ERJGGEYJ101V MGF CHIP 1/10W 10O R6014 ERJGGEYJ101V MGF CHIP 1/10W 10O R6015 ERJGGEYJ101V MGF CHIP 1/10W 10O R6016 ERJGGEYJ101V MGF CHIP 1/10W 10O R6017 ERJGGEYJ103V MGF CHIP 1/10W 10O R6018 ERJGGEYJ101V MGF CHIP 1/10W 10O R6019 ERJGGEYJ103V MGF CHIP 1/10W 1CK R6021 ERJGGEYJ103V MGF CHIP 1/10W 1CK R6022 ERJGGEYJ103V MGF CHIP 1/10W 1CK R6023 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6024 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6025 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6026 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6030 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6040 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6050 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6050 ERJGGEYJ102V MGF CHIP 1/10W 1CK R6050 ERJGGEYJ102V MGF CHIP 1/10W  | R5601 | ERJ6GEYJ272V | MGF CHIP 1/10W 2.7K     |  |
| R5612  | R5604 | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K     |  |
| R5614 ERJ6GEYJ563V MGF CHIP 1/10W 16K R5932 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6004 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6007 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 22C R6008 ERJ6GEYJ102V MGF CHIP 1/10W 12K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6013 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6011 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6012 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6013 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6014 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6015 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6020 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6021 ERJ6GEYJ103V MGF CHIP 1/10W 11K R6022 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6024 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6025 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6026 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6027 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6028 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6029 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6030 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6040 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6041 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6043 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6044 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6045 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6046 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6055 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6056 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6057 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6058 ERJ6GEYJ103V MGF CHIP 1/10 | R5611 | ERJ6GEYJ223V | MGF CHIP 1/10W 22K      |  |
| R5614 ERJ6GEYJ563V MGF CHIP 1/10W 16K R5932 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6004 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6007 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 22C R6008 ERJ6GEYJ102V MGF CHIP 1/10W 12K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 11K R6013 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6011 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6012 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6013 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6014 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6015 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6016 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6017 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6018 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6019 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6020 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6021 ERJ6GEYJ103V MGF CHIP 1/10W 11K R6022 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6024 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6025 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6026 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6027 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6028 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6029 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6030 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6040 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6041 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6043 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6044 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6045 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6046 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6055 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6056 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6057 ERJ6GEYJ103V MGF CHIP 1/10W 10C R6058 ERJ6GEYJ103V MGF CHIP 1/10 |       |              | '                       |  |
| R5902 ERJ6GEYJ102V MGF CHIP 1/10W 1K R5932 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5933 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6006 ERJ6GEYJ222V MGF CHIP 1/10W 1CK R6006 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6007 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6001 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6013 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6015 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6017 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6018 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6019 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6019 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6019 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6012 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6021 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6022 ERJ6GEYJ332V MGF CHIP 1/10W 1CC R6023 ERJ6GEYJ332V MGF CHIP 1/10W 1CC R6024 ERJ6GEYJ332V MGF CHIP 1/10W 1CC R6025 ERJ6GEYJ01V MGF CHIP 1/10W 1CC R6026 ERJ6GEYJ01V MGF CHIP 1/10W 1CC R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6021 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6022 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6023 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6024 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6025 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1CC |       |              | · .                     |  |
| R5932 ERJ6GEYJ101V MGF CHIP 1/10W 100 R5933 ERJ6GEYJ103V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6005 ERJ6GEYJ103V MGF CHIP 1/10W 1CK R6006 ERJ6GEYJ103V MGF CHIP 1/10W 1CK R6007 ERJ6GEYJ103V MGF CHIP 1/10W 22C R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6013 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1CK R6015 ERJ6GEYJ101V MGF CHIP 1/10W 1CK R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6017 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6018 ERJ6GEYJ101V MGF CHIP 1/10W 1CC R6019 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6011 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6012 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6013 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6014 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6015 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6016 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6021 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6022 ERJ6GEYJ332V MGF CHIP 1/10W 1CC R6023 ERJ6GEYJ303V MGF CHIP 1/10W 1CC R6024 ERJ6GEYJ103V MGF CHIP 1/10W 1CC R6025 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1CC R6050 ERJ6GEYJ102V MGF CHIP 1/10W  |       |              |                         |  |
| R5933 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6006 ERJ6GEYJ222V MGF CHIP 1/10W 22C R6007 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6017 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6010 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6011 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6012 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6013 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6014 ERJ6GEYJ101V MGF CHIP 1/10W 1OO R6015 ERJ6GEYJ101V MGF CHIP 1/10W 1OO R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1OO R6017 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6021 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6022 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6023 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6024 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6025 ERJ6GEYJ01V MGF CHIP 1/10W 1C R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6035 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C |       |              |                         |  |
| R6001 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6002 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6003 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6004 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6007 ERJ6GEYJ222V MGF CHIP 1/10W 2.2C R6007 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6013 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6015 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6023 ERJ6GEYJ332V MGF CHIP 1/10W 1SK R6023 ERJ6GEYJ332V MGF CHIP 1/10W 1C R6024 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6025 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6026 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6028 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6029 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6028 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6029 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6029 ERJ6GEYJ02V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6020 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R60 |       |              |                         |  |
| R6002 RRJ6GEYJ103V MGF CHIP 1/10W 10K R6003 RRJ6GEYJ102V MGF CHIP 1/10W 1K R6004 ERJ6GEYJ103V MGF CHIP 1/10W 1K R6005 RRJ6GEYJ103V MGF CHIP 1/10W 10K R6006 ERJ6GEYJ102V MGF CHIP 1/10W 2.2K R6007 RRJ6GEYJ221V MGF CHIP 1/10W 2.2C R6008 RRJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6010 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6011 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6021 ERJ6GEYJ102V MGF CHIP 1/10W 10O R6022 ERJ6GEYJ332V MGF CHIP 1/10W 1X R6023 ERJ6GEYJ332V MGF CHIP 1/10W 1A R6024 ERJ6GEYJ02V MGF CHIP 1/10W 10O R6025 ERJ6GEYJ02V MGF CHIP 1/10W 10O R6026 ERJ6GEYJ02V MGF CHIP 1/10W 10O R6026 ERJ6GEYJ02V MGF CHIP 1/10W 1A R6028 ERJ6GEYJ02V MGF CHIP 1/10W 1A R6029 ERJ6GEYJ02V MGF CHIP 1/10W 1A R6020 ERJ6GEYJ02V MGF CHIP 1/10W 1A R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1A R6 |       |              |                         |  |
| R6003  |       |              | ·                       |  |
| R6004 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6005 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6006 ERJ6GEYJ222V MGF CHIP 1/10W 2.2C R6007 ERJ6GEYJ222V MGF CHIP 1/10W 1K R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6015 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6016 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6017 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6018 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6019 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6010 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6011 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6012 ERJ6GEYJ101V MGF CHIP 1/10W 10O R6013 ERJ6GEYJ101V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6022 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6023 ERJ6GEYJ21V MGF CHIP 1/10W 1C R6024 ERJ6GEYJ102V MGF CHIP 1/10W 10O R6025 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1C R60600 ERJ6GEYJ102V MGF CHIP 1/10W 1C                                  |       |              |                         |  |
| R6005  |       |              |                         |  |
| R6006 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6007 ERJ6GEYJ221V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ101V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ101V MGF CHIP 1/10W 15K R6022 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6023 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6024 ERJ6GEYJ332V MGF CHIP 1/10W 100 R6026 ERJ6GEYJ101V MGF CHIP 1/10W 10 R6027 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6028 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6029 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6020 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6021 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6022 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6023 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/1 |       |              | · .                     |  |
| R6007 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6013 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6011 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6012 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6023 ERJ6GEYJ221V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 00 R6027 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6033 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6041 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K                                    |       |              |                         |  |
| R6008 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6010 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6011 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6012 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6013 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6020 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 00 R6022 ERJ6GEYJ102V MGF CHIP 1/10W 00 R6023 ERJ6GEYJ101V MGF CHIP 1/10W 00 R6024 ERJ6GEYJ102V MGF CHIP 1/10W 0 R6025 ERJ6GEYJ102V MGF CHIP 1/10W 0 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6035 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6036 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C                                       |       |              |                         |  |
| R6010 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ103V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6022 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ21V MGF CHIP 1/10W 220 R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ01V MGF CHIP 1/10W 10 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6035 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |       |              |                         |  |
| R6011 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6022 ERJ6GEYJ322V MGF CHIP 1/10W 1X R6022 ERJ6GEYJ321V MGF CHIP 1/10W 220 R6023 ERJ6GEYJ21V MGF CHIP 1/10W 200 R6024 ERJ6GEYJ01V MGF CHIP 1/10W 1C R6025 ERJ6GEYJ01V MGF CHIP 1/10W 1C R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6035 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6051 ERJ6GEYJ102V MGF CHIP 1/10W 100   |       |              |                         |  |
| R6012 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6014 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ133V MGF CHIP 1/10W 1K R6022 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ221V MGF CHIP 1/10W 100 R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 10 R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6041 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |       |              |                         |  |
| R6014 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ132V MGF CHIP 1/10W 15K R6022 ERJ6GEYJ322V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ101V MGF CHIP 1/10W 220 R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ102V MGF CHIP 1/10W 10 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 10 R6027 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6034 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6035 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |       |              | ·                       |  |
| R6015 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6016 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6017 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6018 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6019 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 15K R6022 ERJ6GEYJ32V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ101V MGF CHIP 1/10W 3.3K R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 10 R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6034 ERJ6GEYJ101V MGF CHIP 1/10W 1C R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1C  |       |              | · .                     |  |
| R6016         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6017         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6018         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6019         ERJ6GEYJ153V         MGF         CHIP         1/10W         15K           R6021         ERJ6GEYJ322V         MGF         CHIP         1/10W         18           R6022         ERJ6GEYJ221V         MGF         CHIP         1/10W         20           R6024         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6025         ERJ6GEYJ102V         MGF         CHIP         1/10W         10           R6026         ERJ6GEYJ102V         MGF         CHIP         1/10W         1           R6028         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6029         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6030         ERJ6GEYJ102V         MGF         CHIP         1/10W         1.           R6031         ERJ6GEYJ102V         MGF         CHIP         1/10W         1. </td <td>R6014</td> <td>ERJ6GEYJ102V</td> <td>MGF CHIP 1/10W 1K</td> <td></td>  | R6014 | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |  |
| R6017         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6018         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6019         ERJ6GEYJ153V         MGF         CHIP         1/10W         15K           R6021         ERJ6GEYJ332V         MGF         CHIP         1/10W         18K           R6022         ERJ6GEYJ332V         MGF         CHIP         1/10W         3.3K           R6023         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6024         ERJ6GEYJ102V         MGF         CHIP         1/10W         10           R6025         ERJ6GEYJ102V         MGF         CHIP         1/10W         10           R6028         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6028         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6029         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6030         ERJ6GEYJ102V         MGF         CHIP         1/10W         1.           R6043         ERJ6GEYJ102V         MGF         CHIP         1/10W         1   |       |              |                         |  |
| R6018         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6019         ERJ6GEYJ153V         MGF         CHIP         1/10W         15K           R6021         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6022         ERJ6GEYJ332V         MGF         CHIP         1/10W         3.3K           R6023         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6024         ERJ6GEYJ101V         MGF         CHIP         1/10W         100           R6025         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6026         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6028         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6029         ERJ6GEYJ102V         MGF         CHIP         1/10W         1K           R6032         ERJ6GEYJ101V         MGF         CHIP         1/10W         1.2K           R6035         ERJ6GEYJ101V         MGF         CHIP         1/10W         10           R6041         ERJ6GEYJ102V         MGF         CHIP         1/10W  | R6016 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R6019 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6021 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6022 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEYJ010V MGF CHIP 1/10W 10 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6034 ERJ6GEYJ102V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ101V MGF CHIP 1/10W 10C R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1C   | R6017 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R6021 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6022 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K R6023 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6025 ERJ6GEY0R00V MGF CHIP 1/10W 0 R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ102V MGF CHIP 1/10W 1.2K R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  | R6018 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R6022 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K  R6023 ERJ6GEYJ221V MGF CHIP 1/10W 220  R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6025 ERJ6GEYOROOV MGF CHIP 1/10W 0  R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6032 ERJ6GEYJ102V MGF CHIP 1/10W 10O  R6040 ERJ6GEYJ101V MGF CHIP 1/10W 10O  R6041 ERJ6GEYJ101V MGF CHIP 1/10W 10K  R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K   | R6019 | ERJ6GEYJ153V | MGF CHIP 1/10W 15K      |  |
| R6023 ERJ6GEYJ221V MGF CHIP 1/10W 220  R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6025 ERJ6GEY0R00V MGF CHIP 1/10W 0  R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6032 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K  R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6041 ERJ6GEYJ102V MGF CHIP 1/10W 10K  R6042 ERJ6GEYJ102V MGF CHIP 1/10W 10K  R6043 ERJ6GEYJ102V MGF CHIP 1/10W 10K  R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ101V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K   | R6021 | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |  |
| R6024 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6025 ERJ6GEY0R00V MGF CHIP 1/10W 0  R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1.2K  R6032 ERJ6GEYJ101V MGF CHIP 1/10W 1.00  R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6040 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6060 ERJ6GEYJ101V MGF CHIP 1/10W 1K  | R6022 | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K     |  |
| R6025 ERJ6GEY0R00V MGF CHIP 1/10W 0  R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6028 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6032 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K  R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  | R6023 | ERJ6GEYJ221V | MGF CHIP 1/10W 220      |  |
| R6026 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6028 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1.2K R6032 ERJ6GEYJ101V MGF CHIP 1/10W 1.00 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  | R6024 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |
| R6028 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6029 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6031 ERJ6GEYJ102V MGF CHIP 1/10W 1.2K R6032 ERJ6GEYJ101V MGF CHIP 1/10W 1.00 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  | R6025 | ERJ6GEY0R00V | MGF CHIP 1/10W 0        |  |
| R6029  | R6026 | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |  |
| R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ103V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ101V MGF CHIP 1/10W 1K   | R6028 | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K     |  |
| R6030 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6032 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ101V MGF CHIP 1/10W 1K   | R6029 | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |  |
| R6032 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6035 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ103V MGF CHIP 1/10W 1K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6047 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6048 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K  | R6030 | ERJ6GEYJ102V |                         |  |
| R6035  |       |              |                         |  |
| R6040 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6042 ERJ6GEYJ103V MGF CHIP 1/10W 10K  R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6049 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6062 ERJ6GEYJ101V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K  R6062 ERJ6GEYJ101V MGF CHIP 1/10W 1K   | R6035 | ERJ6GEYJ101V |                         |  |
| R6041 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6042 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYJ102V MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6051 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6052 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1OO  |       |              | ·                       |  |
| R6042 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYOROOV MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1C   |       |              |                         |  |
| R6043 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYOROOV MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6062 ERJ6GEYJ101V MGF CHIP 1/10W 1OO  |       |              |                         |  |
| R6044 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYOROOV MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ222V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1C   |       |              |                         |  |
| R6045 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYOROOV MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6062 ERJ6GEYJ101V MGF CHIP 1/10W 1OO  |       |              |                         |  |
| R6046 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6049 ERJ6GEYOROOV MGF CHIP 1/10W 0 R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ222V MGF CHIP 1/10W 1K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1C   |       |              |                         |  |
| R6049 ERJ6GEY0R00V MGF CHIP 1/10W 0  R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6053 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K  R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6055 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K  R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         |  |
| R6050 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6053 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1K R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              | · .                     |  |
| R6053 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         |  |
| R6054 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6055 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100   |       |              |                         |  |
| R6055 ERJ6GEYJ101V MGF CHIP 1/10W 100  R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6059 ERJ6GEYJ102V MGF CHIP 1/10W 2.2K  R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K  R6061 ERJ6GEYJ101V MGF CHIP 1/10W 1C  R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100   |       |              |                         | <del>                                     </del> |
| R6056 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100   |       |              |                         |  |
| R6057 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         | -  |
| R6058 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6059 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100   |       |              |                         | -  |
| R6059 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         | -  |
| R6060 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100   |       |              |                         |  |
| R6061 ERJ6GEYJ101V MGF CHIP 1/10W 100 R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         |  |
| R6062 ERJ6GEYJ101V MGF CHIP 1/10W 100  |       |              |                         | -  |
|  |       |              |                         |  |
| R6063   ERJ6GEYJ101V   MGF CHIP 1/10W 100  |       | ERJ6GEYJ101V |                         |  |
|  | R6063 | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |  |

| No.   R6064   | Remarks |
|---|---------|
| R6066 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6067 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6077 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6078 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ103V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERD2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ123V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6121 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ103V MGF CHIP 1/10W 17K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6067 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6077 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6078 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ122V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ471V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDSZTJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6121 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6123 ERJ6GEYJ13V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ13V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ13V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K R6128 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6129 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6122 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6123 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220 |         |
| R6077 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6078 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDSZTJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ23V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6121 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ181V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ221V MGF CHIP 1/10W 10K R6125 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K   |         |
| R6078 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ471V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6114 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6118 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6118 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ181V MGF CHIP 1/10W 10K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6080 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R61113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDSZTJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ23V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6081 ERJ6GEYJ122V MGF CHIP 1/10W 1.2K R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ23V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6125 ERJ6GEYJ181V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K   |         |
| R6082 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6125 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K   |         |
| R6090 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERD52TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6123 ERJ6GEYJ13V MGF CHIP 1/10W 180 R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERD52TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ13V MGF CHIP 1/10W 180 R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6091 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ472V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERD52TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 10K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 10K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ13V MGF CHIP 1/10W 180 R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K  |         |
| R6092 ERJ6GEYJ471V MGF CHIP 1/10W 470 R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERD52TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ13V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 10K   |         |
| R6093 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6123 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 22C   |         |
| R6094 ERJ6GEYJ102V MGF CHIP 1/10W 1K R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6123 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6125 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6098 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6125 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6099 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ181V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6100 ERJ6GEYJ153V MGF CHIP 1/10W 15K R6113 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6120 ERJ6GEYJ223V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6113 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6114 ERJ6GEYJ272V MGF CHIP 1/10W 2.7K R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6115 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6116 ERDS2TJ101 CARBON 1/4W 100 R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ104V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6126 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6116 ERDS2TJ101 CARBON 1/4W 100  R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K  R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K  R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K  R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K  R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180  R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K  R6124 ERJ6GEYJ103V MGF CHIP 1/10W 47K  R6126 ERJ6GEYJ221V MGF CHIP 1/10W 10K  R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6118 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6119 ERJ6GEYJ223V MGF CHIP 1/10W 22K R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6120 ERJ6GEYJ104V MGF CHIP 1/10W 100K R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6121 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180 R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6122 ERJ6GEYJ181V MGF CHIP 1/10W 180  R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K  R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K  R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220  R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6123 ERJ6GEYJ473V MGF CHIP 1/10W 47K R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6124 ERJ6GEYJ103V MGF CHIP 1/10W 10K R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220 R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
| R6126 ERJ6GEYJ221V MGF CHIP 1/10W 220<br>R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220  |         |
| R6127 ERJ6GEYJ221V MGF CHIP 1/10W 220   |         |
|   |         |
| R6130 RR.T6GRY.T223V MGP CHTD 1/10W 22P   |         |
| R6130 ERJ6GEYJ223V MGF CHIP 1/10W 22K   |         |
| R6131 ERJ6GEYJ183V MGF CHIP 1/10W 18K   |         |
| R6132 ERJ6GEYJ391V MGF CHIP 1/10W 390   |         |
| R6133 ERJ6GEYJ103V MGF CHIP 1/10W 10K   |         |
| R6134 ERJ6GEYJ103V MGF CHIP 1/10W 10K   |         |
| R6135 ERJ6GEYJ475V MGF CHIP 1/10W 4.7M  |         |
| R6136 ERJ6GEYJ332V MGF CHIP 1/10W 3.3K  |         |
| R6137 ERJ6GEYJ182V MGF CHIP 1/10W 1.8K  |         |
| R6138 ERDS2TJ560T CARBON 1/4W 56  |         |
| R6142 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R6143 ERJ6GEYJ223V MGF CHIP 1/10W 22K   |         |
| R6144 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K  |         |
| R6146 ERJ6GEYJ273V MGF CHIP 1/10W 27K   |         |
| R6149 ERJ6GEYJ273V MGF CHIP 1/10W 27K   |         |
| R6150 ERJ6GEYJ273V MGF CHIP 1/10W 27K   |         |
| R6160 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R6161 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R6162 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R6163 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R6164 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K  |         |
| R6165 ERJ6GEYJ472V MGF CHIP 1/10W 4.7K  |         |
| R6166 ERJ6GEYJ223V MGF CHIP 1/10W 22K   |         |
| R6170 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |         |
| R6201 ERJ6GEYJ103V MGF CHIP 1/10W 10K   |         |
| R6202 ERJ6GEYJ473V MGF CHIP 1/10W 10K   |         |
|   |         |
|   |         |
| R6204 ERJ6GEYJ184V MGF CHIP 1/10W 180K  |         |
| R6205 ERJ6GEYJ103V MGF CHIP 1/10W 10K   |         |
| R6207 ERJ6GEYJ101V MGF CHIP 1/10W 100   |         |
| R6208 ERJ6GEYJ152V MGF CHIP 1/10W 1.5K  |         |
| R6209 ERJ6GEYJ222V MGF CHIP 1/10W 2.2K  |         |
| R6210 ERJ6GEYJ563V MGF CHIP 1/10W 56K   |         |
| R6211 ERJ6GEYJ153V MGF CHIP 1/10W 15K   |         |
| R6212 ERJ6GEYJ682V MGF CHIP 1/10W 6.8K  |         |
| R6301 ERJ6GEYJ182V MGF CHIP 1/10W 1.8K  |         |
| R6302 ERJ6GEYJ392V MGF CHIP 1/10W 3.9K  |         |
| R6303 ERJ6GEYJ182V MGF CHIP 1/10W 1.8K  |         |
| R6304 ERJ6GEYJ392V MGF CHIP 1/10W 3.9K  |         |
| R6305 ERJ6GEYJ182V MGF CHIP 1/10W 1.8K  |         |
| R6306 ERJ6GEYJ392V MGF CHIP 1/10W 3.9K  |         |
| R6307 ERJ6GEYJ562V MGF CHIP 1/10W 5.6K  |         |
| R7001 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |         |
| R7002 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |         |
| R7003 ERJ6GEYJ102V MGF CHIP 1/10W 1K  |         |

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| R7004       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7006       | ERJ6GEYJ271V | MGF CHIP 1/10W 270      |         |
| R7007       | ERDS2TJ102   | CARBON 1/4W 1K          |         |
| R9001       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9002       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9004       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9005       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9007       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R9008       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R9009       | ERJ6GEYJ272V | MGF CHIP 1/10W 2.7K     |         |
| R9010       | ERJ6GEYJ272V | MGF CHIP 1/10W 2.7K     |         |
| R9011       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9012       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9201       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R9202       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R9203       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R9204       | ERJ6GEYJ224V | MGF CHIP 1/10W 220K     |         |
| R9205       | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K     |         |
| R9206       | EVMAASA00B53 | VARIABLE 5K             |         |
| R9207       | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K     |         |
| R9208       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R9209       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R9212       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R9213       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R9214       | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K     |         |
| R9215       | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K     |         |
| R9216       | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K     |         |
| R9217       | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K     |         |
| R9303       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |

CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks     |
|-------------|--------------|-------------------------|-------------|
| C401        | ECA1HM2R2B   | ELECTROLYTIC 50V 2.2UF  |             |
| C402        | ECA1CM471B   | ELECTROLYTIC 16V 470UF  |             |
| C408        | ECA1HGE010KB | ELECTROLYTIC 50V 1UF    |             |
| C409        | ECA1VM101B   | ELECTROLYTIC 35V 100UF  |             |
| C413        | ECQB1H104KF  | POLYESTER 50V 0.1UF     |             |
| C414        | ECA1EM102B   | ELECTROLYTIC 25V 1000UF |             |
| C418        | ECA1VM221B   | ELECTROLYTIC 35V 220UF  |             |
| C459        | ECQB1H103KF3 | POLYESTER 50V 0.01UF    |             |
| C510        | ECKR2H102KB5 | CERAMIC 500V 1000PF     |             |
| C513        | ECA1EM101B   | ELECTROLYTIC 25V 100UF  |             |
| C531        | ECA1HM3R3B   | ELECTROLYTIC 50V 3.3UF  |             |
| C533        | ECA1EM101B   | ELECTROLYTIC 25V 100UF  |             |
| C534        | ECEA1HKA2R2  | ELECTROLYTIC 50V 2.2UF  |             |
| C552        | ECA1EM471B   | ELECTROLYTIC 25V 470    |             |
| C554        | ECWH12H912JS | POLYESTER 1.2KV 0.091UF | Δ           |
| C554        | ECWH16912JVB | POLYESTER 1.2KV 0.091UF | Δ           |
| C554        | F0A3C912A002 | POLYESTER 1250V 0.091UF | $\triangle$ |
| C556        | ECWF2434JBB  | POLYESTER 500V 0.43UF   | Δ           |
| C556        | ECWF2434JSB  | POLYESTER 500V 0.43UF   | $\triangle$ |
| C556        | F0C2E434A049 | POLYESTER 250V 0.43UF   | $\triangle$ |
| C556        | LSCFM2434JM  | POLYESTER 500V 0.33UF   | $\triangle$ |
| C558        | ECA1VM331B   | ELECTROLYTIC 35V 330UF  |             |
| C560        | ECA2EM100B   | ELECTROLYTIC 250V 10UF  | $\triangle$ |
| C561        | ECA1HM2R2B   | ELECTROLYTIC 50V 2.2UF  |             |
| C563        | ECEA180V33WE | ELECTROLYTIC 180V 33UF  |             |
| C571        | ECA1HM100B   | ELECTROLYTIC 50V 10UF   |             |
| C572        | ECA1CM221B   | ELECTROLYTIC 16V 220UF  |             |
| C573        | ECKR2H122KB5 | CERAMIC 50V 1200PF      |             |
| C801        | VCKSRNG472ZX | CERAMIC 250V 4700PF     |             |
| C802        | VCKSRNG472ZX | CERAMIC 250V 4700PF     |             |
| C803        | VCKSRNG472ZX | CERAMIC 250V 4700PF     |             |
| C804        | VCKSRNG472ZX | CERAMIC 250V 4700PF     |             |
| C805        | EC0S2PP471BB | ELECTROLYTIC 180V 470UF | Δ           |
| C805        | ECES2PU471HG | ELECTROLYTIC 180V 470UF | Δ           |
| C805        | F2B2D4710012 | ELECTROLYTIC 180V 470UF | ⚠           |
| C805        | F2B2D4710013 | ELECTROLYTIC 180V 470UF | Δ           |
| C806        | ECA2EM220E   | ELECTROLYTIC 250V 22UF  |             |
| C807        | J0LE00000023 | ARRESTER                | Δ           |
| C808        | ECQU2A823MLA | POLYESTER 250V 0.082UF  | Δ           |
| C809        | F1B2E101A009 | CERAMIC 250V 100PF      | Δ           |
| C811        | F1B2E152A012 | CERAMIC 250V 1500PF     | Δ           |

| Ref.                    | Part No.                     | Part Name & Description                            | Remarks  |
|-------------------------|------------------------------|--|----------|
| NO.<br>C1001            | ECKATS103MF                  | CERAMIC 250V 0.01UF                                | Δ        |
| C1001                   | ECKETS103MF                  | CERAMIC 125V 0.01UF                                | Δ        |
| C1001                   | VCKST3G103MY                 | CERAMIC 250V 0.01UF                                | Δ        |
| C1001                   | VCKSU3D103MY                 | CERAMIC 125V 0.01UF                                | Δ        |
| C1002                   | ECKATS332ME8                 | CERAMIC 250V 3300PF                                | ⚠        |
| C1002                   | ECKDNB332ME8                 | CERAMIC 125V 3300PF                                | ⚠        |
| C1002                   | ECKETS332ME8                 | CERAMIC 125V 3300PF                                | <u> </u> |
| C1002                   | VCKST3G332MX                 | CERAMIC 250V 3300PF                                | <u> </u> |
| C1002                   | VCKSU3D332MX                 | CERAMIC 125V 3300PF                                | <u> </u> |
| C1003                   | F1B2E102A012                 | CERAMIC 250V 1000PF                                | <u> </u> |
| C1003                   | F1B2E102A011                 | CERAMIC 250V 1000PF                                | <u> </u> |
| C1003                   | F1B2E102A044                 | CERAMIC 250V 1000PF                                | <u> </u> |
| C1003                   | F1B2E102A045                 | CERAMIC 250V 1000PF                                | <u> </u> |
| C1003                   | F1B2E1020005                 | CERAMIC 250V 1000PF                                | <u> </u> |
| C1003<br>C1004          | F1B2E1020006<br>ECEA2DU121YE | CERAMIC 250V 1000PF                                | <u> </u> |
| C1004                   | F2A2D1210001                 | ELECTROLYTIC 200V 120UF<br>ELECTROLYTIC 200V 120UF | <u> </u> |
| C1004                   | F2A2D1210001                 | ELECTROLYTIC 200V 120UF                            | <u>A</u> |
| C1004                   | VCESR2D121XE                 | ELECTROLYTIC 200V 120UF                            | <u> </u> |
| C1005                   | ECA2DHG4R7B                  | ELECTROLYTIC 200V 4.7UF                            | +        |
| C1005                   | ECKR2H221KB5                 | CERAMIC 500V 220PF                                 |          |
| C1007                   | ECJ2VB1C224K                 | C CHIP 16V 0.22UF                                  |          |
| C1009                   | VCYSBRE183KX                 | CERAMIC 25V 0.018UF                                |          |
| C1010                   | ECJ2VB1H102K                 | C CHIP 50V 1000PF                                  |          |
| C1011                   | ECA1HHG470B                  | ELECTROLYTIC 50V 47UF                              | 1        |
| C1012                   | ECEA1PEE331                  | ELECTROLYTIC 18V 330UF                             |          |
| C1013                   | ECA1EM331B                   | ELECTROLYTIC 25V 330UF                             |          |
| C1016                   | ECEA1PEE331                  | ELECTROLYTIC 18V 330UF                             |          |
| C1017                   | ECA0JM102B                   | ELECTROLYTIC 6.3V 1000UF                           |          |
| C1018                   | ECJ2VB1E104K                 | C CHIP 25V 0.1UF                                   |          |
| C1025                   | F1B2E101A009                 | CERAMIC 250V 100PF                                 | Δ        |
| C1025                   | F1B2E101A008                 | CERAMIC 250V 100PF                                 | Δ        |
| C1025                   | F1B2E101A032                 | CERAMIC 250V 100PF                                 | Δ        |
| C1025                   | F1B2E101A037                 | CERAMIC 250V 100PF                                 | Δ        |
| C1029                   | ECJ2VC1H101J                 | C CHIP 50V 100PF                                   |          |
| C1030                   | VCYSBRE183KX                 | CERAMIC 25V 0.018UF                                |          |
| C1051                   | ECEA1HKAR47                  | ELECTROLYTIC 50V 0.47UF                            | 1        |
| C1052                   | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                              |          |
| C1058                   | ECEA0JEE101                  | ELECTROLYTIC 6.3V 100UF                            |          |
| C1059                   | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                              | +        |
| C1060                   | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                              | +        |
| C1070                   | ECEA1CKA220B                 | ELECTROLYTIC 16V 22UF                              | +        |
| C1071                   | ECJ2VC1H101J                 | C CHIP 50V 100PF                                   |          |
| C1072                   | ECA0JM471                    | ELECTROLYTIC 6.3V 470UF                            | +        |
| C3003                   | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                                   | -        |
| C3004                   | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                                  | +        |
| C3006<br>C3007          | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                                   | +        |
|                         | ECEA0JKA101<br>ECJ2VC1H181J  | C CHIP 50V 180PF                                   | +        |
| C3008                   | ECS2VCIH1815<br>ECEA1EKA4R7  | ELECTROLYTIC 25V 4.7UF                             | +        |
| C3009                   | ECHAIRKA4R7<br>ECJ2VF1H103Z  | C CHIP 50V 0.01UF                                  |          |
| C3013                   | ECJ2VF1C224Z                 | C CHIP 36V 0.010F                                  | +        |
| C3015                   | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                             |          |
| C3016                   | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                              |          |
| C3019                   | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                             |          |
| C3020                   | ECEA1CKA220                  | ELECTROLYTIC 16V 22UF                              | 1        |
| C3021                   | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                             |          |
| C3022                   | ECJ2VF1C224Z                 | C CHIP 16V 0.22UF                                  |          |
| C3023                   | ECJ2VC1H680J                 | C CHIP 50V 68PF                                    |          |
| C3024                   | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                                   |          |
| C3025                   | ECJ2VB1E104K                 | C CHIP 25V 0.1UF                                   |          |
| C3026                   | ECJ2VB1H822K                 | C CHIP 50V 8200PF                                  |          |
| C3027                   | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                                  |          |
| C3030                   | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                                  |          |
| C3031                   | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                                   |          |
| C3032                   | ECJ2VF1C474Z                 | C CHIP 16V 0.47UF                                  |          |
|                         | ECJ2VC1H181J                 | C CHIP 50V 180PF                                   |          |
| C3034                   | ECJ2VC1H330J                 | C CHIP 50V 33PF                                    |          |
| C3034<br>C3035          |                              | 1  | 1        |
|                         | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                                   |          |
| C3035                   |                              | C CHIP 25V 0.1UF<br>ELECTROLYTIC 16V 10UF          |          |
| C3035<br>C3036          | ECJ2VF1E104Z                 |  |          |
| C3035<br>C3036<br>C3038 | ECJ2VF1E104Z<br>ECEA1CKA100  | ELECTROLYTIC 16V 10UF                              |          |

| 2.6         | Don't W            | Book Warra & Barrandaktar | <u> </u>   |
|-------------|--------------------|---------------------------|--|
| Ref.<br>No. | Part No.           | Part Name & Description   | Remarks  |
|             | P.CP. 1 1772 D 4 7 | TI DOMESTIC FALL A 4717   |  |
| C3045       | ECEA1HKAR47        | ELECTROLYTIC 50V 0.47UF   |  |
| C3046       | ECEA1HKA2R2        | ELECTROLYTIC 50V 2.2UF    |  |
| C3047       | ECEA0JKA101        | ELECTROLYTIC 6.3V 100UF   |  |
| C3048       | ECJ2VF1E104Z       | C CHIP 25V 0.1UF          |  |
| C3050       | ECEA1HKA2R2        | ELECTROLYTIC 50V 2.2UF    |  |
| C3053       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C3055       | ECJ2VF1E104Z       | C CHIP 25V 0.1UF          |  |
| C3056       | ECJ2VF1E104Z       | C CHIP 25V 0.1UF          |  |
|             |                    |                           |  |
| C3057       | ECJ2VF1E104Z       | C CHIP 25V 0.1UF          |  |
| C3058       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C3082       | ECJ2VB1H332K       | C CHIP 50V 3300PF         |  |
| C3231       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C3232       | ECJ2VB1H102K       | C CHIP 50V 1000PF         |  |
| C3234       | ECEA0JKA470        | ELECTROLYTIC 6.3V 47UF    |  |
| C3235       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C3236       | ECJ2VF1E104Z       | C CHIP 25V 0.1UF          |  |
|             |                    |                           |  |
| C3237       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C4001       | ECJ2VF1C224Z       | C CHIP 16V 0.22UF         |  |
| C4002       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C4003       | ECJ2VB1H272K       | C CHIP 50V 2700PF         |  |
| C4004       | ECJ2VB1H103K       | C CHIP 50V 0.01UF         |  |
| C4005       | ECEA0JKA220        | ELECTROLYTIC 6.3V 22UF    |  |
| C4006       | ECJ2VB1H102K       | C CHIP 50V 1000PF         |  |
| C4007       | ECEA0JKA220        | ELECTROLYTIC 6.3V 22UF    | 1  |
| C4007       | ECEAOJKA470        | ELECTROLYTIC 6.3V 47UF    | <del>                                     </del> |
|             |                    |                           | +  |
| C4009       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     | 1  |
| C4010       | ECJ2VB1E333K       | C CHIP 25V 0.033UF        |  |
| C4011       | ECJ2VB1H103K       | C CHIP 50V 0.01UF         |  |
| C4012       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C4013       | ECEA0JKA470        | ELECTROLYTIC 6.3V 47UF    |  |
| C4014       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C4020       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C4102       | ECQB1562JF3        | POLYESTER 100V 5600PF     |  |
|             |                    |                           |  |
| C4103       | ECJ2VB1H103K       | C CHIP 50V 0.01UF         |  |
| C4104       | ECJ2VB1H103K       | C CHIP 50V 0.01UF         |  |
| C4105       | ECEA1CKA220        | ELECTROLYTIC 16V 22UF     |  |
| C4171       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| C4502       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     |  |
| C4504       | ECEA1EKA4R7        | ELECTROLYTIC 25V 4.7UF    |  |
| C4506       | ECEA1CKA470        | ELECTROLYTIC 16V 47UF     |  |
| C4508       | ECA1CM221B         | ELECTROLYTIC 16V 220UF    |  |
|             |                    |                           | 1  |
| C4509       | ECJ2VB1E473K       | C CHIP 25V 0.047UF        |  |
| C4512       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     |  |
| C4514       | ECEA1EKA4R7        | ELECTROLYTIC 25V 4.7UF    |  |
| C4516       | ECEA1CKA470        | ELECTROLYTIC 16V 47UF     |  |
| C4518       | ECA1CM221B         | ELECTROLYTIC 16V 220UF    |  |
| C4519       | ECJ2VB1E473K       | C CHIP 25V 0.047UF        |  |
| C4521       | ECA1EM102B         | ELECTROLYTIC 25V 1000UF   |  |
| C4524       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C4525       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         | <del>                                     </del> |
|             |                    |                           | 1  |
| C5301       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     | -  |
| C5302       | ECEA1EKA4R7        | ELECTROLYTIC 25V 4.7UF    | 1  |
| C5303       | ECEA1HKAR47        | ELECTROLYTIC 50V 0.47UF   |  |
| C5305       | ECEA1HKAR33        | ELECTROLYTIC 50V 0.33UF   |  |
| C5306       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     |  |
| C5307       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     |  |
| C5308       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     | <b>†</b>   |
| C5401       | VCUSTBC224KB       | C CHIP 16V 0.22UF         | †  |
|             |                    |                           | +  |
| C5402       | ECJ2VB1H222K       | C CHIP 50V 2200PF         | +  |
| C5403       | ECEA1HKA2R2        | ELECTROLYTIC 50V 2.2UF    | -  |
| C5501       | ECJ2VB1E183K       | C CHIP 25V 0.018UF        |  |
| C5502       | ECJ2VB1H681K       | C CHIP 50V 680PF          |  |
| C5505       | ECEA1CKA470        | ELECTROLYTIC 16V 47UF     |  |
| C5506       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C5507       | ECEA1CKA100        | ELECTROLYTIC 16V 10UF     |  |
| C5508       | ECUV1H221JSN       | C CHIP 50V 220PF          | 1  |
|             |                    | ELECTROLYTIC 50V 1UF      | +  |
| C5510       | ECEA1HKA010        |                           | +  |
| C5511       | ECJ2VB1E333K       | C CHIP 25V 0.033UF        | -  |
| C5516       | ECJ2VB1E333K       | C CHIP 25V 0.033UF        |  |
| C5601       | ECJ2VF1H103Z       | C CHIP 50V 0.01UF         |  |
| C5602       | ECJ2VB1E104K       | C CHIP 25V 0.1UF          |  |
| C5603       | ECJ2VC1H150J       | C CHIP 50V 15PF           |  |
| C5604       | ECEA1HKA010        | ELECTROLYTIC 50V 1UF      |  |
| · · · · ·   |                    |                           |  |

| Ref. No. Part No. Part Name & Description C5605 ECJ2VBlE153K C CHIP 25V 0.015UF C5902 ECEA1CKA470 ELECTROLYTIC 16V 47UF C5903 ECEA1CKA470 ELECTROLYTIC 16V 47UF C5904 ECJ2VBlC104K C CHIP 16V 0.1UF C5905 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF C5906 ECJ2VFlH103Z C CHIP 50V 0.01UF C5907 ECJ2VFlE104Z C CHIP 25V 0.1UF C5932 ECJ2VFlH103Z C CHIP 50V 0.01UF C6001 ECEA0JKA331 ELECTROLYTIC 6.3V 330UF | Remarks |
|---|---------|
| C5902 BCEA1CKA470 BLECTROLYTIC 16V 47UF C5903 BCEA1CKA470 BLECTROLYTIC 16V 47UF C5904 BCJ2VB1C104K C CHIP 16V 0.1UF C5905 BCEA0JKA101 BLECTROLYTIC 6.3V 100UF C5906 BCJ2VF1H103Z C CHIP 50V 0.01UF C5907 BCJ2VF1E104Z C CHIP 25V 0.1UF C5932 BCJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5903 BCEA1CKA470 BLECTROLYTIC 16V 47UF C5904 BCJ2VB1C104K C CHIP 16V 0.1UF C5905 BCEA0JKA101 BLECTROLYTIC 6.3V 100UF C5906 BCJ2VF1H103Z C CHIP 50V 0.01UF C5907 BCJ2VF1E104Z C CHIP 25V 0.1UF C5932 BCJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5904 BCJ2VB1C104K C CHIP 16V 0.1UF C5905 BCEA0JKA101 BLECTROLYTIC 6.3V 100UF C5906 BCJ2VF1H103Z C CHIP 50V 0.01UF C5907 BCJ2VF1E104Z C CHIP 25V 0.1UF C5932 BCJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5905 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF C5906 ECJ2VF1H103Z C CHIP 50V 0.01UF C5907 ECJ2VF1E104Z C CHIP 25V 0.1UF C5932 ECJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5906 ECJ2VF1H103Z C CHIP 50V 0.01UF<br>C5907 ECJ2VF1E104Z C CHIP 25V 0.1UF<br>C5932 ECJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5907 ECJ2VF1E104Z C CHIP 25V 0.1UF<br>C5932 ECJ2VF1H103Z C CHIP 50V 0.01UF   |         |
| C5932 BCJ2VF1H103Z C CHIP 50V 0.01UF  |         |
| C6001 ECEA0JKA331 ELECTROLYTIC 6.3V 330UF   |         |
|   |         |
| C6002 ECJ2VC1H080C C CHIP 50V 8PF   |         |
| C6003 ECJ2VC1H100C C CHIP 50V 10PF  |         |
| C6004 ECJ2VB1E104K C CHIP 25V 0.1UF   |         |
| C6006 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF C6009 ECEA1CKA100 ELECTROLYTIC 16V 10UF   |         |
| C6013 ECJ2VC1H101J C CHIP 50V 100PF   |         |
| C6017 ECJ2VC1H101J C CHIP 50V 100PF   |         |
| C6018 ECJ2VC1H101J C CHIP 50V 100PF   |         |
| C6020 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6021 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF   |         |
| C6023 ECJ2VB1H103K C CHIP 50V 0.01UF  |         |
| C6025 ECEA0JKA470 ELECTROLYTIC 6.3V 47UF  |         |
| C6029 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6040 ECJ2VB1H102K C CHIP 50V 1000PF  |         |
| C6041   ECJ2VB1H102K   C CHIP 50V 1000PF  |         |
| C6201 ECJ2VB1H102K C CHIP 25V 0.1UF   |         |
| C6202 ECJ2VB1H103K C CHIP 50V 1000FF  |         |
| C6203 ECJ2VB1H332K C CHIP 50V 3300PF  |         |
| C6204 ECJ2VB1H103K C CHIP 50V 0.01UF  |         |
| C6207 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6208 ECEA1CKS100 ELECTROLYTIC 16V 10UF   |         |
| C6209 ECJ2VB1H102K C CHIP 50V 1000PF  |         |
| C6212 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6213 ECEA0JKS3311 ELECTROLYTIC 6.3V 330UF  |         |
| C6214 ECEA0JKS220 ELECTROLYTIC 6.3V 22UF  |         |
| C6215   |         |
| C6220 ECEA1CKA470 ELECTROLYTIC 16V 47UF   |         |
| C6221 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF   |         |
| C6302 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6401 ECJ2VF1H104Z C CHIP 50V 0.1UF   |         |
| C6402 ECEA0JKA101 ELECTROLYTIC 6.3V 100UF   |         |
| C6403 ECEA1HKA010 ELECTROLYTIC 50V 1UF  |         |
| C6404 ECJ2VC1H121J C CHIP 50V 120PF   |         |
| C6406 ECEA1HKS010 ELECTROLYTIC 50V 1UF  |         |
| C6408   ECJ2VB1H222K   C CHIP 50V 2200PF  |         |
| C7002 BCJ2VB1H102K C CHIP 50V 1000PF  |         |
| C7006 BCA0JM102B ELECTROLYTIC 6.3V 1000UF   |         |
| C7007 ECJ2VB1H102K C CHIP 50V 1000PF  |         |
| C7008 ECJ2VF1H103Z C CHIP 50V 0.01UF  |         |
| C7010 ECEA1HKA010 ELECTROLYTIC 50V 1UF  |         |
| C9001 ECEA1CKA100 ELECTROLYTIC 16V 10UF   |         |
| C9002 ECEA1HKAR33 ELECTROLYTIC 50V 0.33UF   |         |
| C9003 ECEAIHKA3R3I ELECTROLYTIC 50V 3.3UF   |         |
| C9004 ECJ2VB1C104K   C CHIP 16V 0.1UF<br>C9005 ECJ2VB1E223K   C CHIP 25V 0.022UF  |         |
| C9006 ECJ2VB1E104K C CHIP 25V 0.1UF   |         |
| C9007 ECJ2VB1H333K C CHIP 50V 0.033UF   |         |
| C9008 ECEA1HKA2R2 ELECTROLYTIC 50V 2.2UF  |         |
| C9009 ECEA1HKAR33 ELECTROLYTIC 50V 0.33UF   |         |
| C9010 ECJ2VB1E104K C CHIP 25V 0.1UF   |         |
| C9013 ECJ2VB1H102K C CHIP 50V 1000PF  |         |
| C9014 ECEA1HKA4R7 ELECTROLYTIC 50V 4.7UF  |         |
| C9015 BCEA1HKA2R2 ELECTROLYTIC 50V 2.2UF  |         |
| C9016 ECJ2VF1H103Z C CHIP 50V 0.01UF  |         |
| C9017 ECEA1CKA220 ELECTROLYTIC 16V 22UF C9019 ECEA1HKA2R2 ELECTROLYTIC 50V 2.2UF  |         |
| C9020 ECEA1CKA100 ELECTROLYTIC 16V 10UF   |         |
| C9021 BCEAlCKA100 ELECTROLYTIC 16V 10UF   |         |
| C9022 ECJ2VF1H103Z C CHIP 50V 0.01UF  |         |
| C9023 ECEAICKA100 ELECTROLYTIC 16V 10UF   |         |
| C9201 ECJ2VF1H103Z C CHIP 50V 0.01UF  |         |

| Ref.  | Part No.     | Part Name & Description | Remarks |
|-------|--------------|-------------------------|---------|
| No.   |              |                         |         |
| C9202 | ECEA0JKA470  | ELECTROLYTIC 6.3V 47UF  |         |
| C9203 | ECEA1CKA100  | ELECTROLYTIC 16V 10UF   |         |
| C9204 | ECQP1H102JZ3 | POLYESTER 50V 1000PF    |         |
| C9205 | ECEA1HKA010  | ELECTROLYTIC 50V 1UF    |         |
| C9206 | ECEA1HKA3R3I | ELECTROLYTIC 50V 3.3UF  |         |
| C9207 | ECEA1HKA010  | ELECTROLYTIC 50V 1UF    |         |
| C9208 | ECJ2VB1H223K | C CHIP 50V 0.022UF      |         |
| C9209 | ECJ2VB1H223K | C CHIP 50V 0.022UF      |         |
| C9210 | ECEA1HKA010  | ELECTROLYTIC 50V 1UF    |         |
| C9211 | ECEA1HKA010  | ELECTROLYTIC 50V 1UF    |         |
| C9212 | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C9213 | ECEA1CKA220  | ELECTROLYTIC 16V 22UF   |         |
| C9302 | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C9304 | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C9309 | ECEA0JKA470  | ELECTROLYTIC 6.3V 47UF  |         |

| C9309        | ECEA0JKA470  | ELECTROLYTIC 6.3V 47UF  |            |
|--------------|--------------|-------------------------|------------|
|              |              | COILS                   |            |
| Ref.         | Part No.     | Part Name & Description | Remarks    |
| No.          | 1410 1101    | Taro Name a poporiporon | 2102102222 |
| L501         | G0D680000001 | COIL                    | Δ          |
| L501         | ELH5L4108    | COIL                    | Δ          |
| L501         | ELH5L4145    | COIL                    | Δ          |
| L501         | ELH5L423     | COIL                    | Δ          |
| L501         | G0D510000001 | COIL                    | Δ          |
| L553         | VLQSW07D220M | COIL 22UH               |            |
| L803         | ELF21V018A   | LINE NOISE FILTER       | Δ          |
| L803         | LLN63055A    | COIL                    | Δ          |
| L1001        | ELF15N005A   | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | ELF18D290A   | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | G0B183D00001 | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | J0HBLD000001 | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | J0HBLD000002 | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | VLQS0167     | LINE FILTER 0.5A 18MH   | Δ          |
| L1001        | VLQS0170     | LINE FILTER 0.6A 18MH   | Δ          |
| L1002        | VLQSAB7D220K | COIL 22UH               |            |
| L1003        | VLQSAB7D100K | COIL 10UH               |            |
| L1006        | J0JHB0000021 | FILTER                  |            |
| L1007        | G0C101KA0045 | COIL 100UH              |            |
| L3001        | G0C390KA0045 | COIL 39UH               |            |
| L3002        | ELESN101KA   | COIL 100UH              |            |
| L3005        | G0C330KA0045 | COIL 33UH               |            |
| L3010        | ELESN470KA   | COIL 47UH               |            |
| L3231        | ELESN221KA   | COIL 220UH              |            |
| L3301        | ELESN101KA   | COIL 100UH              |            |
| L4001        | ELELN153KA   | COIL 15MH               |            |
| L4002        | ELESN101KA   | COIL 100UH              |            |
| L4004        | G0C220KA0045 | COIL 22UH               |            |
| L4101        | ELESN471KA   | COIL 470UH              |            |
| L5901        | ELESN101KA   | COIL 100UH              |            |
| L5902        | ELESN470KA   | COIL 47UH               |            |
| L6201        | ELEXT101KE04 | COIL 100UH              |            |
| L6401        | ELEXT101KE04 | COIL 100UH              |            |
| L6402        | J0JBC0000022 | CHIP BEAD INDUCTOR      |            |
| <b>L6403</b> | J0JBC0000022 | CHIP BEAD INDUCTOR      |            |
| <b>L6404</b> | J0JBC0000022 | CHIP BEAD INDUCTOR      |            |
| L6405        | J0JBC0000022 | CHIP BEAD INDUCTOR      |            |
| L7002        | ELESN100KA   | COIL 10UH               |            |
| L9001        | ELESN101KA   | COIL 100UH              |            |
| L9201        | ELESN101KA   | COIL 100UH              |            |
| L9202        | ELESN101KA   | COIL 100UH              |            |
| - 0201       |              |                         |            |

COIL 100UH

|              | PIN HEADERS                      |         |
|--------------|----------------------------------|---------|
| Part No.     | Part Name & Description          | Remarks |
| LSJWS4N360LL | PIN HEADER                       |         |
|              | CONNECTOR CABLE W/OUT PLUG, 200V |         |

L9301

Ref. No. P552

P801

ELESN101KA

| Ref.<br>No. | Part No.     | Part Name & Description           | Remarks |
|-------------|--------------|-----------------------------------|---------|
| P803        | LSJP0814     | CONNECTOR 2P                      |         |
| P3001       | K1KA12A00232 | CONNECTOR 12P                     |         |
| P4001       | VJSS0888     | FE CONNECTOR 2P                   |         |
| P4002       | LSJWR6N120CL | PARALLEL WIRE                     |         |
| P4591       | K1KA04A00242 | CONNECTOR 4P                      |         |
| P5301       | LSJWR4N490LL | CONNECTOR CABLE W/OUT PLUG,12V DC |         |
| P6001       | K1KA05A00268 | CONNECTOR 5P                      |         |
| P6201       | K1KA12A00234 | PIN HEADER                        |         |

| SW |  |  |
|----|--|--|
|    |  |  |
|    |  |  |

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| SW6001      | LSSH0002     | LEAF SWITCH-SAFETY TAB  |         |
| SW6002      | K0N107C00002 | PUSH SWITCH             |         |
| SW6301      | EVQ21405R    | PUSH SWITCH             |         |
| SW6302      | EVQ21405R    | PUSH SWITCH             |         |
| SW6303      | EVQ21405R    | PUSH SWITCH             |         |
| SW6304      | EVQ21405R    | PUSH SWITCH             |         |
| SW6305      | EVQ21405R    | PUSH SWITCH             |         |
| SW6306      | EVQ21405R    | PUSH SWITCH             |         |
| SW6307      | EVQ21405R    | PUSH SWITCH             |         |
| SW6308      | EVQ21405R    | PUSH SWITCH             |         |
| SW6309      | EVQ21405R    | PUSH SWITCH             |         |
| SW6310      | EVQ21405R    | PUSH SWITCH             |         |
| SW6311      | EVQ21405R    | PUSH SWITCH             |         |

#### FUSE & PROTECTO

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| F801        | K5D402AB0002 | FUSE 125V 4A            | Δ       |
| F801        | K5D402ADA002 | FUSE 125V 4A            | Δ       |
| F801        | K5D402ADA006 | FUSE 125V 4A            | ⚠       |
| F801        | K5D402AQ0002 | FUSE 125V 4A            | ⚠       |
| F1001       | K5D162AQ0004 | FUSE 125V 1.6A          | ⚠       |
| F1001       | K5D162ADA001 | FUSE 125V 1.6A          | ⚠       |
| F1001       | K5D162ADA008 | FUSE 125V 1.6A          | Δ       |
| PR1001      | UNH000600A   | IC PROTECTOR 1.5A       | Δ       |
| PR1001      | B1ZAZ0000040 | IC PROTECTOR 1.5A       | Δ       |
| PR1001      | LSSF009A25E  | IC PROTECTOR 1.5A       | ⚠       |
| PR1002      | UNH000600A   | IC PROTECTOR 1.5A       | ⚠       |
| PR1002      | B1ZAZ0000040 | IC PROTECTOR 1.5A       | A       |
| PR1002      | LSSF009A25E  | IC PROTECTOR 1.5A       | Δ       |
| PR1070      | LSSF009AR37E | IC PROTECTOR 1.5A       | A       |

#### RELAY

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks     |
|-------------|--------------|-------------------------|-------------|
| RL801       | LSSY0004     | RELAY                   | $\triangle$ |
| RL801       | K6B1AGA00042 | RELAY, 120V             | $\triangle$ |
| RL801       | TSEH0013     | RELAY                   | $\triangle$ |
| RL801       | TSEH1860-1   | RELAY                   | $\Lambda$   |

#### TRANSFORMER

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks     |
|-------------|--------------|-------------------------|-------------|
| T501        | ETH09K8AZ    | TRANSFORMER             |             |
| T551        | KFT3AB400F   | FLYBACK TRANSFORMER     | $\triangle$ |
| T1001       | ETS28AD2J3AC | SW TRANSFORMER          | $\triangle$ |
| T1001       | LSTP0105     | TRANSFORMER             | ⚠           |
| T1001       | VTPS0042     | SW TRANSFORMER          | ⚠           |
| T4101       | G2A342C00003 | TRANSFORMER             |             |

#### JACKS

| Ref.<br>No. | Part No.     | Part Name & Description       | Remarks |
|-------------|--------------|-------------------------------|---------|
| JK4591      | K2HC103B0129 | FRONT AUDIO/VIDEO JACK SOCKET |         |
| JK4701      | K2HA104B0007 | EARPHONE JACK SOCKET          |         |

#### MISCELLANEOUS

| Ref. | Part No.     | Part Name & Description | Remarks |
|------|--------------|-------------------------|---------|
| 483  | XYN3+F10S    | SCREW W/WASHER, STEEL   |         |
| 484  | XTW3+10J     | TAPPING SCREW, STEEL    |         |
| 711  | PNA4611M00HC | INFRARED RECEIVER UNIT  |         |
| 719  | VMFS0136     | SHEET, NYLON-RAYON      |         |

|             |            |                         | <u>[F</u> |
|-------------|------------|-------------------------|-----------|
| Ref.<br>No. | Part No.   | Part Name & Description | Remarks   |
| 728         | LUS63008A  | HEAT SINK               |           |
| 743         | ENG36715G  | TUNER, UHF/VHF NR       |           |
| 751         | LML69001A  | ANODE LEAD CLAMPER      |           |
| 760         | TUC77628   | HEAT SINK               |           |
| 768         | TUC77603-1 | HEAT SINK               |           |
| 771         | EYF52BC    | FUSE HOLDER             |           |

#### 12.3.3. HEAD AMP C.B.A.

(Model: A, B, C, D, G, H, I)

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Ε    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

#### INTEGRATED CIRCUITS

| Ref.<br>No. | Part No. | Part Name & Description | Remarks |
|-------------|----------|-------------------------|---------|
| IC3501      | AN3371SB | IC, LINEAR              |         |

#### RESISTORS

| 1  | Ref. | Part No.     | Part Name & Description | Remarks |  |
|----|------|--------------|-------------------------|---------|--|
|    | No.  |              |                         |         |  |
| R3 | 507  | ERJ6GEYJ331V | MGF CHIP 1/10W 330      |         |  |

#### CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| C3504       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C3505       | ECEA1CKA470  | ELECTROLYTIC 16V 47UF   |         |
| C3506       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3508       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3511       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3512       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3513       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3528       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3529       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |

#### COILS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| L3501       | G0C101KA0045 | COIL 100UH              |         |

#### PIN HEADERS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| P3501       | K1KB08B00050 | CONNECTOR 8P            |         |

### 12.3.4. HEAD AMP C.B.A.

(Model: E, F, J)

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | E    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

#### INTEGRATED CIRCUITS

| Ref.<br>No. | Part No. | Part Name & Description | Remarks |
|-------------|----------|-------------------------|---------|
| IC3501      | AN3361SB | IC, LINEAR              |         |

#### **RESISTORS**

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| R3501       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R3502       | ERJ6GEYJ560V | MGF CHIP 1/10W 56       |         |
| R3503       | ERJ6GEYJ560V | MGF CHIP 1/10W 56       |         |
| R3504       | ERJ6GEYJ560V | MGF CHIP 1/10W 56       |         |
| R3505       | ERJ6GEYJ560V | MGF CHIP 1/10W 56       |         |
| R3506       | ERJ6GEYJ561V | MGF CHIP 1/10W 560      |         |
| R3507       | ERJ6GEYJ561V | MGF CHIP 1/10W 560      |         |

#### CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| C3504       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C3505       | ECEA1CKA470  | ELECTROLYTIC 16V 47UF   |         |
| C3506       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3507       | ECJ2VB1H102K | C CHIP 50V 1000PF       |         |
| C3508       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3511       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3512       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3513       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3519       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3520       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3523       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3524       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3528       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3529       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C3532       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3533       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |

#### COILS

| I | Ref.  | Part No.     | Part Name & Description | Remarks |
|---|-------|--------------|-------------------------|---------|
| L | No.   |              |                         |         |
| Ŀ | L3501 | G0C101KA0045 | COIL 100UH              |         |

#### PIN HEADERS

| Ref.  | Part No.     | Part Name & Description | Remarks |
|-------|--------------|-------------------------|---------|
| P3501 | K1KB12B00044 | CONNECTOR 12P           |         |

#### 12.3.5. CRT C.B.A.

(Model: A, B, C, D, E, F)

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Ε    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

#### TRANSISTORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| Q351        | 2SC14730Q    | TRANSISTOR SI NPN       |         |
| Q351        | B1AACN000014 | TRANSISTOR SI NPN       |         |
| Q351        | B1BAAN000029 | TRANSISTOR SI NPN       |         |
| Q351        | 2SC1473A-Q   | TRANSISTOR SI NPN       |         |
| Q352        | 2SC14730Q    | TRANSISTOR SI NPN       |         |
| Q352        | B1AACN000014 | TRANSISTOR SI NPN       |         |
| Q352        | B1BAAN000029 | TRANSISTOR SI NPN       |         |
| Q352        | 2SC1473A-Q   | TRANSISTOR SI NPN       |         |
| Q353        | 2SC14730Q    | TRANSISTOR SI NPN       |         |
| Q353        | B1AACN000014 | TRANSISTOR SI NPN       |         |
| Q353        | B1BAAN000029 | TRANSISTOR SI NPN       |         |
| Q353        | 2SC1473A-Q   | TRANSISTOR SI NPN       |         |

#### DIODES

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| D351        | MAZ41500MF   | DIODE ZENER 15V         |         |
| D351        | B0BA01400041 | DIODE ZENER 15V         |         |

#### RESISTORS

| Ref.<br>No. | Part No.    | Part Name & Description | Remarks |
|-------------|-------------|-------------------------|---------|
| R351        | ERG1ANJ153H | METAL OXIDE 1W 15K      |         |
| R352        | ERG1ANJ153H | METAL OXIDE 1W 15K      |         |
| R353        | ERG1ANJ153H | METAL OXIDE 1W 15K      |         |
| R354        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |
| R356        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |
| R357        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |
| R358        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |
| R359        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |
| R360        | ERDS2TJ391  | CARBON 1/4W 390         |         |
| R361        | ERDS2TJ391  | CARBON 1/4W 390         |         |
| R362        | ERDS2TJ391  | CARBON 1/4W 390         |         |
| R363        | ERDS2TJ181T | CARBON 1/4W 180         |         |
| R364        | ERDS2TJ181T | CARBON 1/4W 180         |         |
| R365        | ERDS2TJ181T | CARBON 1/4W 180         |         |
| R366        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |

#### CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| C351        | F1D1H391A012 | CERAMIC 50V 390PF       |         |
| C352        | F1D1H391A012 | CERAMIC 50V 390PF       |         |
| C353        | F1D1H471A012 | CERAMIC 50V 470PF       |         |
| C354        | F1B3D1020008 | CERAMIC 2KV 1000PF      |         |

#### PIN HEADERS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| P355        | K3B09BA00006 | CRT SOCKET              |         |

|   | MISCELLANEOUS |           |                         |         |
|---|---------------|-----------|-------------------------|---------|
|   | Ref.<br>No.   | Part No.  | Part Name & Description | Remarks |
| ı | 153           | TMM7443-1 | CLAMPER                 |         |

## 12.3.6. CRT C.B.A.

(Model: G, H, I, J)

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL       | MARK |
|-------------|------|
| PV-C1323    | Α    |
| PV-C1323-K  | В    |
| PV-C1333W   | С    |
| PV-C1333W-K | D    |
| PV-C1343    | Е    |
| PV-C1353W   | F    |
| PV-C2023    | G    |
| PV-C2023-K  | Н    |
| PV-C2033W   | 1    |
| PV-C2063    | J    |
|             | K    |

TRANSISTORS

| Ref.<br>No. | Part No.   | Part Name & Description | Remarks |
|-------------|------------|-------------------------|---------|
| Q351        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q351        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| Q351        | 2SC3619    | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3619    | TRANSISTOR SI NPN       |         |
| Q353        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q353        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| Q353        | 2SC3619    | TRANSISTOR SI NPN       |         |

DIODES

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| D351        | MAZ41500MF   | DIODE ZENER 15V         |         |
| D351        | B0BA01400041 | DIODE ZENER 15V         |         |

RESISTORS

|             | RESISTORS   |                         |         |  |
|-------------|-------------|-------------------------|---------|--|
| Ref.<br>No. | Part No.    | Part Name & Description | Remarks |  |
| R351        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |  |
| R352        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |  |
| R353        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |  |
| R354        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |  |
| R355        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |  |
| R356        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |  |
| R357        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |  |
| R358        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |  |
| R359        | ERDS2TJ392  | CARBON 1/4W 3.9K        |         |  |
| R360        | ERDS2TJ391  | CARBON 1/4W 390         |         |  |
| R361        | ERDS2TJ391  | CARBON 1/4W 390         |         |  |
| R362        | ERDS2TJ391  | CARBON 1/4W 390         |         |  |
| R363        | ERDS2TJ121  | CARBON 1/4W 120         |         |  |
| R364        | ERDS2TJ121  | CARBON 1/4W 120         |         |  |
| R365        | ERDS2TJ121  | CARBON 1/4W 120         |         |  |

CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| C351        | F1D1H471A012 | CERAMIC 50V 470PF       |         |
| C352        | F1D1H471A012 | CERAMIC 50V 470PF       |         |
| C353        | F1D1H561A012 | CERAMIC 50V 560PF       |         |
| C354        | F1B3D1020008 | CERAMIC 2KV 1000PF      |         |

#### PIN HEADERS

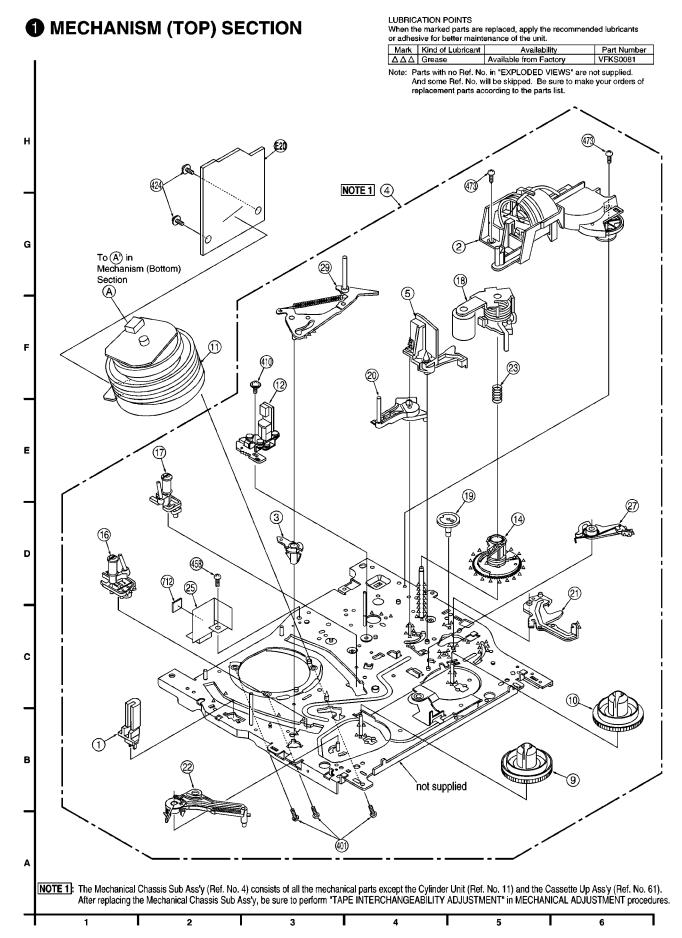
| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| P353        | K3B10AA00001 | CRT SOCKET              |         |

MISCELLANEOUS

|  | Ref.<br>No. | Part No.  | Part Name & Description | Remarks |
|--|-------------|-----------|-------------------------|---------|
|  | 153         | TMM7443-1 | CLAMPER                 |         |

## 13 EXPLODED VIEWS (Model: PV-C2523-K)

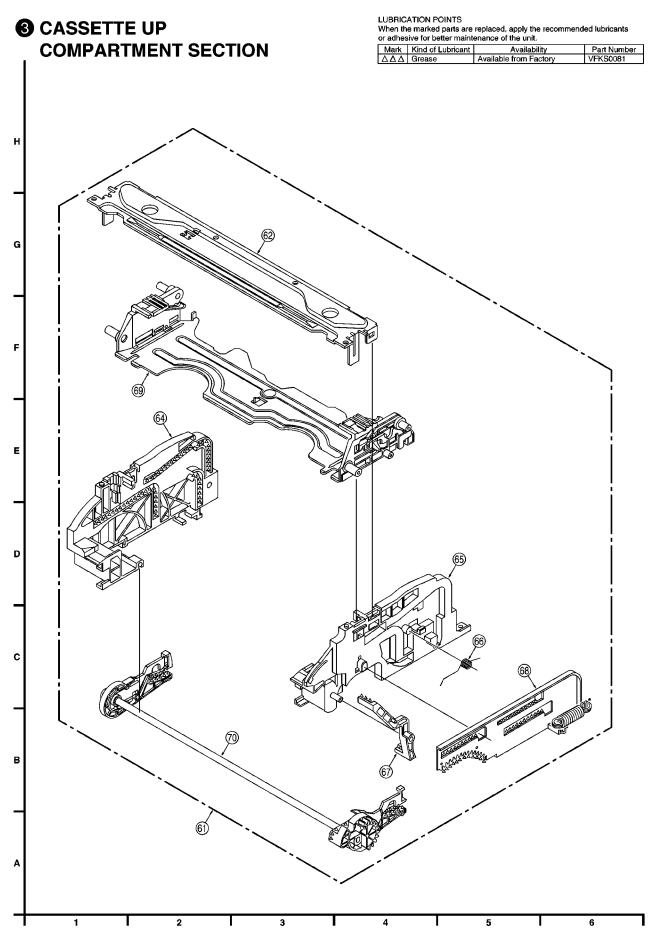
## 13.1. MECHANISM (TOP) SECTION



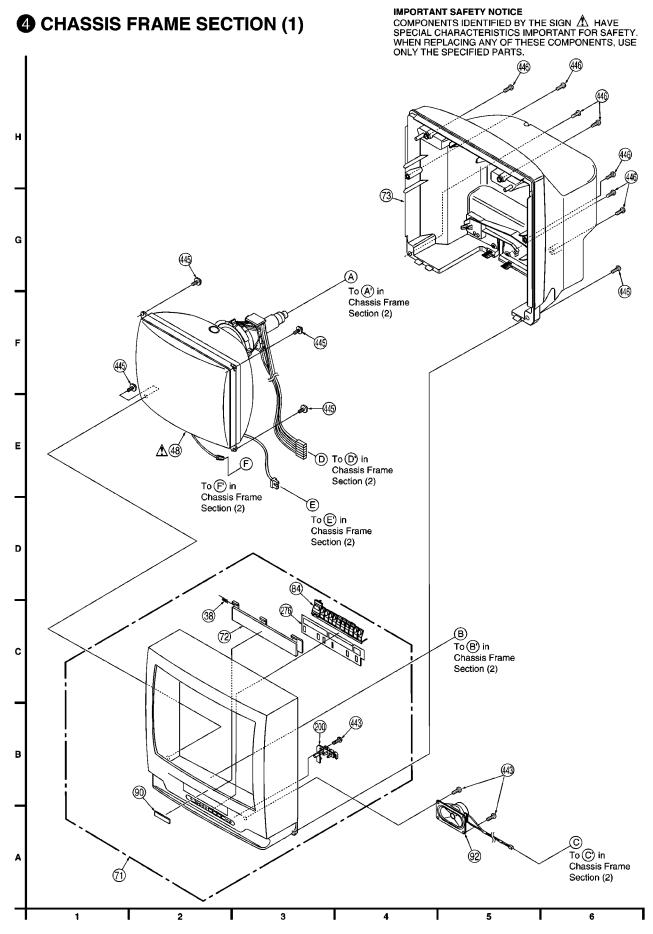
## 13.2. MECHANISM (BOTTOM) SECTION

## LUBRICATION POINTS **2** MECHANISM (BOTTOM) SECTION When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. Mark Kind of Lubricant Part Number Availability Available from Factory VFKS0081 ΔΔΔ Grease NOTE 1 (4) Н From (A) in G Mechanism (Top) NOTE 4 Section **Lubrication Points** Solder **Bottom View Lubrication Points** NOTE 3 D **Bottom View** not supplied C В NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures. NOTE 3: Main Cam Gear is supplied as a Main Cam Gear Kit only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

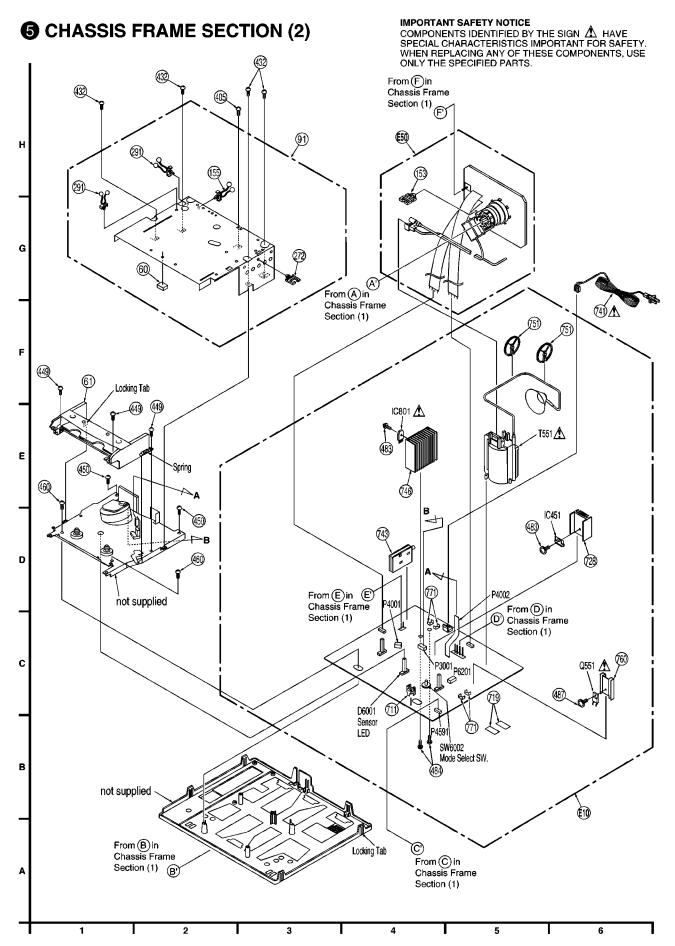
## 13.3. CASSETTE UP COMPARTMENT SECTION



## 13.4. CHASSIS FRAME SECTION (1)

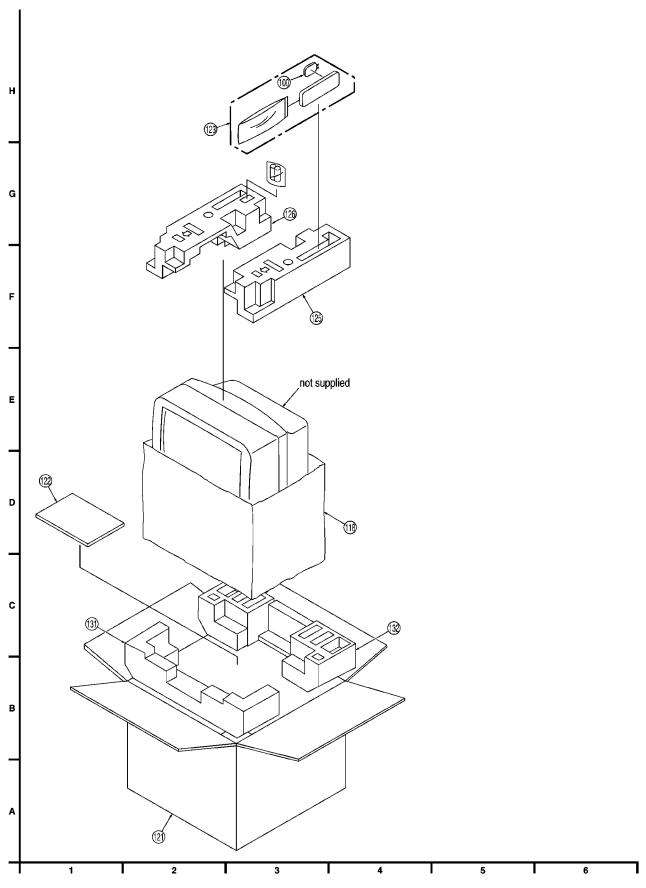


## 13.5. CHASSIS FRAME SECTION (2)



## 13.6. PACKING PARTS AND ACCESSORIES SECTION

## **6** PACKING PARTS AND ACCESSORIES SECTION



## 14 REPLACEMENT PARTS LISTS (Model: PV-C2523-K)

BEFORE REPLACING PARTS, READ THE FOLLOWING:

#### 14.1. REPLACEMENT NOTES

#### 14.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

#### 2. IMPORTANT SAFETY NOTICE

Components identified by the sign  $\triangle$  have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

- 4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 6. Definition of Parts supplier:
  - a. Parts with mark "MKE" in the Remarks column are supplied from MKE.
  - b. Parts without mark in the Remarks column are supplied from MKA.
- 7. Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.
- Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

#### 14.1.2. Mechanical Replacement Notes

- Section No. of parts shown in Exploded Views are indicated in the Remarks column.
- 2. The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).

After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

3. In early units, a washer is used.

When servicing the washer or the P5 Arm Unit, replace only the P5 Arm Unit with a new one, and remove the washer.

- 4. Main Cam Gear is supplied as a Main Cam Gear Kit (Ref. No. 8) only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.
- 5. The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is

available separately as a replacement part.

- 6. The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.
- Main Cam Push Nut (Ref. No. 414) is not reusable.
   If removed, install a new one.

#### 14.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in  $\Omega$ , K = 1,000  $\Omega$ , M = 1,000 k $\Omega$ .

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is

limited for this item. After the discontinuation of this item in production, it will no longer be

available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component
W FLMPRF: Wirewound Flameproof
C.B.A.: Circuit Board Assembly
P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

- 3. When replacing 0  $\Omega$  resistor, a wire can be substituted for it.
- 4. Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.
- 5. EEP ROM IC (IC6004) replacement note:

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

6. TV/VCR MAIN C.B.A. replacement note:

When the TV/VCR MAIN C.B.A.s shown below are replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN C.B.A. must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit.

As for the location of the Jumper wire, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

#### **COMPARISON CHART OF MODELS & MARKS**

| MODEL      | MARK |
|------------|------|
|            | Α    |
|            | В    |
|            | С    |
|            | D    |
|            | E    |
|            | F    |
|            | G    |
|            | н    |
|            | 1    |
|            | J    |
| PV-C2523-K | к    |

# 14.2. MECHANICAL REPLACEMENT PARTS LIST

#### **Definition of Parts supplier:**

- 1. Parts with mark "MKE" in the Remarks column are supplied from MKE.
- 2. Parts without mark in the Remarks column are supplied from MKA.

| Ref.<br>No. | Part No.   | Part Name & Description               | Remarks |
|-------------|------------|---------------------------------------|---------|
| 1           | VBSS0033   | FULL ERASE HEAD                       | 1       |
| 2           | LSXK0109   | MOTOR BLOCK UNIT                      | 1       |
| 3           | LSDB0045   | TENSION ARM BOSS                      | 1       |
| 4           | LSXY0463   | MECHANICAL CHASSIS SUB ASS'Y          | 1,2 RTL |
| 5           | LSMD0209   | OPENER PIECE                          | 1       |
| 8           | LSVD0007   | MAIN CAM GEAR KIT                     | 2       |
| 9           | LSDR0004   | S REEL TABLE                          | 1       |
| 10          | LSDR0005   | T REEL TABLE                          | 1       |
| 11          | LSEG0013   | CYLINDER UNIT                         | 1       |
| 12          | LSEH0006   | AUDIO CONTROL/ERASE HEAD UNIT         | 1       |
| 14          | LSDG0112   | LIFT GEAR                             | 1       |
| 16          | VXDS0213   | LOADING POST BASE-S UNIT              | 1       |
| 17          | VXDS0214   | LOADING POST BASE-T UNIT              | 1       |
| 18          | LSXL0079   | PINCH ARM UNIT                        | 1       |
| 19          | LSDG0110   | INTERMEDIATE GEAR A                   | 1       |
| 20          | LSXL0078   | P5 ARM UNIT                           | 1       |
| 21          | LSML0360   | DRIVE RACK ARM                        | 1       |
| 22          | LSXL0077   | TENSION CONTROL ARM UNIT              | 1       |
| 23          | LSMB0282   | PINCH ASSIST SPRING                   | 1       |
| 25          | LSSC0518   | A/C SHIELD PLATE                      | 1       |
| 27          | VXLS1130   | T BRAKE UNIT                          | 1       |
| 29          | VXLS1129   | TENSION ARM UNIT                      | 1       |
| 38          | LSMB0221   | CASSETTE DOOR SPRING                  | 4       |
| 41          | VXPS0389   | CENTER CLUTCH UNIT                    | 2       |
| 42          | VMBS1151   | CHANGING GEAR SPRING                  | 2       |
| 43          | LSDG0114   | CHANGING GEAR                         | 2       |
| 44          | VXLS1091   | IDLER ARM UNIT                        | 2       |
| 45          | LSJW0027   | FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC | 2       |
| 46          | LSEM0078   | CAPSTAN MOTOR ASS'Y                   | 2       |
| <b>4</b> 7  | LSMM0007   | MAIN ROD                              | 2       |
| 48          | LXQVB01250 | COLOR PICTURE TUBE UNIT               | 4 ⚠     |
| 49          | VXLS1099   | S LOADING ARM UNIT                    | 2       |
| 50          | VXLS1098   | T LOADING ARM UNIT                    | 2       |
| 51          | LSDG0116   | REEL GEAR                             | 2       |
| 52          | LSDG0111   | INTERMEDIATE GEAR B                   | 2       |

| Ref.<br>No. | Part No.               | Part Name & Description            | Remark    |
|-------------|------------------------|------------------------------------|-----------|
| 53          | LSMA0532               | SUPPORT ANGLE                      | 2         |
| 54          | LSDV0009               | CAPSTAN BELT SQUARE, ELASTOMER 2MM | 2         |
| 58          | LSXL0087               | SS BRAKE ARM UNIT                  | 2         |
| 59          | LSMB0196               | SS BRAKE SPRING                    | 2         |
| 60          | VMFS0311               | CUSHION                            | 5         |
| 61          | LSXY0483               | CASSETTE UP ASS Y                  | 3,5       |
| 62          | LSMA0352               | TOP PLATE                          | 3         |
| 64          | LSMD0174               | SIDE PLATE L                       | 3         |
| 65          | LSMD0173               | SIDE PLATE R                       | 3         |
| 66          | LSMB0218               | SUPPORT SPRING                     | 3         |
| 67          | LSML0096               | OPENER LEVER                       | 3         |
| 68          | VXLS1111               | DRIVE RACK UNIT                    | 3         |
| 69<br>70    | LSXA0497               | HOLDER UNIT                        | 3         |
| 70<br>71    | VXLS1110               | WIPER ARM UNIT                     | 4         |
| 71<br>72    | LXQKY03252             | FRONT CABINET ASS'Y                | 4         |
| 72<br>73    | LSKF0453<br>LXQKV01252 | CASSETTE DOOR-LID REAR COVER UNIT  | 4         |
| 84<br>84    | LBX61070B              | OPERATION BUTTON                   | 4         |
| 90          | TBM173052              | BADGE, ABS RESIN                   | 4         |
| 91          | LXQUS01252K            | TOP SHIELD PLATE ASS'Y             | 5         |
| 92          | LXQAS01J13             | SPEAKER UNIT                       | 4         |
| 100         | VKFS2235               | BATTERY COVER                      | 6         |
| 118         | LPE64005A              | BAG, POLYETHYLENE                  | 6         |
| 121         | LSPG1447               | PACKING CASE, PAPER                | 6         |
| 122         | LSQF0717               | FAN BAG                            | 6         |
| 123         | LSSQ0392               | INFRARED REMOTE CONTROL UNIT       | 6         |
| 125         | LPJ61034A              | TOP CUSHION RIGHT, STYROFOAM       | 6         |
| 126         | LPJ61034A              | TOP CUSHION LEFT, STYROFOAM        | 6         |
| 131         | LPJ62033A              | BOTTOM CUSHION FRONT, STYROFOAM    | -         |
| 132         | LPJ62034A              | BOTTOM CUSHION REAR, STYROFOAM     | 6         |
| 153         | TMM7443-1              | CLAMPER                            | 5         |
| 155         | TMM76403-1             | CLAMPER                            | 5         |
| 200         | LKK683009A             | PANEL LIGHT                        | 4         |
| 272         | TMM77412               | CLAMPER                            | 5         |
| 276         | LSMF0046               | SHEET                              | 4         |
| 291         | LML69002A              | CLAMPER                            | 5         |
| 401         | VHDS0475               | SCREW, STEEL                       | 1         |
| 405         | VHDS0496               | SCREW W/WASHER, STEEL              | 5         |
| 410         | VHDS0498               | SCREW W/WASHER, STEEL              | 1         |
| 414         | VHNS0070               | MAIN CAM PUSH NUT, STEEL           | 2         |
| 422         | XWGV2D5G               | WASHER, NYLON                      | 2         |
| 424         | XYC26+SF6J             | SCREW W/WASHER, STEEL              | 1         |
| 432         | XTV3+8JR               | TAPPING SCREW, STEEL               | 5         |
| 443         | XTV4+12A               | TAPPING SCREW, STEEL               | 4         |
| 445         | LHT60001Y              | SCREW W/WASHER, STEEL              | 4         |
| 446         | XTV4+16A               | TAPPING SCREW, STEEL               | 4         |
| 449         | VHDS0493               | TAPPING SCREW, STEEL               | 5         |
| 450         | VHDS0309               | SCREW, STEEL                       | 5         |
| 458         | XTV3+8J                | TAPPING SCREW, STEEL               | 1         |
| 460         | XTN4+12A               | TAPPING SCREW, STEEL               | 5         |
| 473         | XYN26+C6               | SCREW W/WASHER, STEEL              | 1         |
| 475         | XTV26+5FJ              | TAPPING SCREW, STEEL               | 2         |
| 478         | VHDS0495               | SCREW, STEEL                       | 2         |
| 483         | XYN3+F10S              | SCREW W/WASHER, STEEL              | 5         |
| 484         | XTW3+10J               | TAPPING SCREW, STEEL               | 5         |
| 487         | XYN3+J8                | SCREW W/WASHER, STEEL              | 5         |
| 508         | XTB26+6J               | TAPPING SCREW, STEEL               | 2         |
| 711         | PNA4611M00HC           | INFRARED RECEIVER UNIT             | 5         |
| 712         | VMTS0035               | CUSHION, RUBBER                    | 1         |
| 719         | VMFS0136               | SHEET, NYLON-RAYON                 | 5         |
| 728         | LUS63008A              | HEAT SINK                          | 5         |
| 741         | LSJA0362               | AC CORD W/PLUG,120V                | 5 \Lambda |
| 741         | LSJA0343               | AC CORD W/PLUG,120V                | 5 \Lambda |
| 741         | LSJA0364               | AC CORD W/PLUG,120V                | 5 🛦       |
| 743         | ENG36709GL             | TUNER, UHF/VHF NR                  | 5         |
| 746         | LUS63001A              | HEAT SINK                          | 5         |
| 751         | LML69001A              | ANODE LEAD CLAMPER                 | 5         |
| 760         | TUC77628               | HEAT SINK                          | 5         |
| 771         | EYF52BC                | FUSE HOLDER                        | 5         |
| E10         | LSEP2083D              | TV/VCR MAIN C.B.A.                 | 5 RTL     |
|             |                        | HEAD AMP C.B.A.                    |           |

| Ref.<br>No. | Part No.  | Part Name & Description | Remarks |
|-------------|-----------|-------------------------|---------|
| <b>E</b> 50 | LRP63022E | CRT C.B.A.              | 5 RTL   |

SERVICE FIXTURES AND TOOLS

| Ref.<br>No. | Part No.   | Part Name & Description      | Remarks |
|-------------|------------|------------------------------|---------|
|             | VFMS0003H6 | VHS ALIGNMENT TAPE           | MKE     |
|             | VFKS0081   | GREASE                       | MKE     |
|             | VFK0329    | POST ADJUSTMENT DRIVER       | MKE     |
|             | VFK27      | HEAD CLEANING STICK          | MKE     |
|             | VFK0330    | H-POSITION ADJUSTMENT DRIVER | MKE     |

# 14.3. ELECTRICAL REPLACEMENT PARTS LIST

**Definition of Parts supplier:** 

1. All parts are supplied from MKA.

| PRINTED | CIRCUIT | ROARD | ASSEMBLY |
|---------|---------|-------|----------|
|         |         |       |          |

| Ref.<br>No. | Part No.  | Part Name & Description | Remarks       |
|-------------|-----------|-------------------------|---------------|
| E10         | LSEP2083D | TV/VCR MAIN C.B.A.      | E.S.D.<br>RTL |
| E20         | LSEP2008A | HEAD AMP C.B.A.         | RTL           |
| <b>≝</b> 50 | LRP63022E | CRT C.B.A.              | RTL           |

#### 14.3.1. TV/VCR MAIN C.B.A.

INTEGRATED CIRCUITS

| Ref.<br>No. | Part No.     | Part Name & Description  | Remarks     |
|-------------|--------------|--------------------------|-------------|
| IC451       | C1AA00000024 | IC, LINEAR               |             |
| IC501       | CNC1S101R1KT | IC, LINEAR               | $\triangle$ |
| IC501       | CNC1S101R1KT | IC, LINEAR               | $\triangle$ |
| IC501       | CNC1S101S1KT | IC, LINEAR               | Δ           |
| IC502       | CNC1S101R2KT | IC, LINEAR               | Δ           |
| IC801       | C5HABZZ00051 | IC, LINEAR               | Δ           |
| IC1001      | CNC1S101R1KT | IC, LINEAR               | Δ           |
| IC1001      | CNC1S101S1KT | IC, LINEAR               | $\triangle$ |
| IC1002      | CODAEMZ00005 | IC, LINEAR               |             |
| IC1002      | B1AZKD000001 | IC, LINEAR               |             |
| IC1002      | CODAEMZ00001 | IC, LINEAR               |             |
| IC3001      | AN3479FBP-A  | IC, LINEAR               |             |
| IC3201      | MDN3885S     | IC, CCD 1H DELAY         | E.S.D.      |
| IC4501      | C1AA00000652 | IC, LINEAR               |             |
| IC5301      | AN15167A-VT  | IC, LINEAR               |             |
| IC6001      | MN101D06FCC  | IC, 8BIT MICROCONTROLLER | E.S.D.      |
| IC6002      | B3NAA0000049 | PHOTO INTERRUPUTER       |             |
| IC6003      | B3NAA0000049 | PHOTO INTERRUPUTER       |             |
| IC6004      | LSSK0026     | IC, 1K EEP ROM           | E.S.D.      |
| IC6005      | C0EBJ0000080 | IC, CMOS STANDARD LOGIC  | E.S.D.      |
| IC6005      | C0EBJ0000099 | IC, CMOS STADNARD LOGIC  | E.S.D.      |
| IC6005      | RN5VS47CA-TR | IC, CMOS STANDARD LOGIC  | E.S.D.      |

| TR   | ΔN     | SIST          | r O F | 25 |
|------|--------|---------------|-------|----|
| - 10 | $\neg$ | <i>3</i> 10 1 | -     | v  |

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| Q431        | 2SA733-TQ    | TRANSISTOR SI PNP       |         |
| Q431        | 2SA1175      | TRANSISTOR SI PNP       |         |
| Q431        | 2SA1175-TH   | TRANSISTOR SI PNP       |         |
| Q501        | B1AACN000013 | TRANSISTOR SI NPN       |         |
| Q531        | 2SA733-TQ    | TRANSISTOR SI PNP       |         |
| Q531        | 2SA1175      | TRANSISTOR SI PNP       |         |
| Q531        | 2SA1175-TH   | TRANSISTOR SI PNP       |         |
| Q532        | 2SC945A-TQ   | TRANSISTOR SI NPN       |         |
| Q532        | 2SC2785-TH   | TRANSISTOR SI NPN       |         |
| Q532        | 2SC2785-TJ   | TRANSISTOR SI NPN       |         |
| Q551        | B1BAFT000004 | TRANSISTOR SI NPN CHIP  | Δ       |
| Q571        | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q571        | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q581        | B1ACBM000001 | TRANSISTOR SI NPN       |         |
| Q581        | 2SA17670QA   | TRANSISTOR SI PNP CHIP  |         |
| Q581        | 2SB12210QA   | TRANSISTOR SI PNP CHIP  |         |

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| Q801        | 2SC945A-TKA  | TRANSISTOR SI NPN       |         |
| Q801        | 2SC1684-Q    | TRANSISTOR SI NPN       |         |
| Q801        | 2SC1684-S    | TRANSISTOR SI NPN       |         |
| Q801        | 2SC16840RA   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC2785-TE   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC2785-TF   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC2785-TH   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC2785-TJ   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC2785-TK   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC3311AQA   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC3311ARA   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC3311ASA   | TRANSISTOR SI NPN       |         |
| Q801        | 2SC945A-TPA  | TRANSISTOR SI NPN       |         |
| Q801        | 2SC945A-TQA  | TRANSISTOR SI NPN       |         |
| Q1001       | 2SC4533003KT | TRANSISTOR SI NPN       | Δ       |
| Q1001       | 2SC4533003KT | TRANSISTOR SI NPN       | Δ       |
| Q1002       | 2SD225900A   | TRANSISTOR SI NPN       |         |
| Q1051       | B1BACC000010 | TRANSISTOR SI NPN       | +       |
| Q1051       | 2SD1581-T    | TRANSISTOR SI NPN       |         |
| Q1052       | 2SD0601AHL   | TRANSISTOR SI NPN CHIP  |         |
|             | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q1052       |              |                         |         |
| Q1053       | 2SD235800A   | TRANSISTOR SI NPN CHIP  |         |
| Q1053       | B1AAQB000002 | TRANSISTOR SI NPN CHIP  | +       |
| Q3001       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP  | +       |
| Q3001       | B1ADCF000063 | TRANSISTOR SI PNP CHIP  | +       |
| Q3002       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q3002       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  | +       |
| Q3301       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q3301       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  | +       |
| Q4001       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP  | +       |
| Q4001       | B1ADCF000063 | TRANSISTOR SI PNP CHIP  | +       |
| Q4002       | 2SD1819AHL   | TRANSISTOR SI NPN CHIP  |         |
| Q4003       | 2SD1819AHL   | TRANSISTOR SI NPN CHIP  |         |
| Q4101       | 2SD0601ARL   | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q4171       | BlabcF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q5301       | B1ABCF000020 | TRANSISTOR SI NPN CHIP  |         |
| Q5901       | 2SD225900A   | TRANSISTOR SI NPN       |         |
| Q6001       | 2SB0709A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q6001       | B1ADCF000001 | TRANSISTOR SI PNP CHIP  |         |
| Q6002       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6002       | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q6003       | 2SD0601A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6003       | B1ABCF000011 | TRANSISTOR SI NPN CHIP  |         |
| Q6004       | 2SB1218A0L   | TRANSISTOR SI PNP CHIP  | 1       |
| Q6004       | B1ADCF000063 | TRANSISTOR SI PNP CHIP  |         |
| Q6005       | 2SB0709A0L   | TRANSISTOR SI PNP CHIP  |         |
| Q6005       | B1ADCF000001 | TRANSISTOR SI PNP CHIP  |         |
| Q6006       | 2SD1819A0L   | TRANSISTOR SI NPN CHIP  |         |
| Q6009       | VEKS5707     | PHOTO SENSOR UNIT       |         |
| Q6010       | VEKS5707     | PHOTO SENSOR UNIT       |         |

DIODES

| Ref. | Part No.     | Part Name & Description | Remarks |
|------|--------------|-------------------------|---------|
| No.  | 1420 1.01    |                         |         |
| D401 | B0EAKL000049 | DIODE SI                |         |
| D401 | B0EAKL000044 | DIODE SI                |         |
| D401 | B0EAKL000045 | DIODE SI                |         |
| D502 | MA2C165001VT | DIODE SI                |         |
| D502 | B0AACK000004 | DIODE SI                |         |
| D502 | 155119       | DIODE SI                |         |
| D503 | B0HAGP000011 | DIODE SI                |         |
| D503 | В0НАЈР000012 | DIODE SI                |         |
| D504 | MAZ40470MF   | DIODE ZENER 4.7V        |         |
| D504 | MAZ40470HF   | DIODE ZENER 4.7V        |         |
| D504 | RD4.7ESAB    | DIODE ZENER 4.7V        |         |
| D504 | RD4.7ESAB2   | DIODE ZENER 4.7V        |         |
| D504 | 04AZ4.7ZTPA7 | DIODE ZENER 4.7V        |         |
| D507 | MA2C165001VT | DIODE SI                |         |
| D507 | B0AACK000004 | DIODE SI                |         |
| D507 | 188119       | DIODE SI                |         |
| D553 | B0HAGP000011 | DIODE SI                |         |
| D553 | В0НАЈР000012 | DIODE SI                |         |
|      |              |                         |         |

| Ref.<br>No.   | Part No.   | Part Name & Description   | Remarks      |
|---|--|---|--------------|
| D554  | BOAAEL000001   | DIODE SI  |              |
| D554  | MA2C16700E   | DIODE SI  |              |
| D558  | B0HAGP000011   | DIODE SI  |              |
| D558  | В0НАЈР000012   | DIODE SI  |              |
| D560  | ERB44-04V  | DIODE SI  |              |
| D571  | MAZ40470MF   | DIODE ZENER 4.7V  |              |
| D571  | B0BA4R600003   | DIODE ZENER 4.7V  |              |
| D571  | RD4.7ESAB2   | DIODE ZENER 4.7V  |              |
| D572  | MAZ4110NHF   | DIODE ZENER 11V   |              |
| D573  | MA2C165001VT   | DIODE SI  |              |
| D573  | B0AACK000004   | DIODE SI  |              |
| D573  | 188119   | DIODE SI  |              |
| D574  | MA2C165001VT   | DIODE SI  |              |
| D574  | B0AACK000004   | DIODE SI  |              |
| D574  | 188119   | DIODE SI  |              |
| D582  | B0HAPV000005   | DIODE SI  |              |
| D591  | LSRPAF4HM3R0   | THERMISTOR  | Δ            |
| D591  | D4DDF5R00005   | THERMISTOR  | Δ            |
| D801  | B0AAKT000010   | DIODE SI  | <u> </u>     |
| D801  | B0EAKT000027   | DIODE SI  | $\triangle$  |
| D801  | BOEAKT000030   | DIODE SI  | ⚠            |
| D802  | BOAAKTOOOO10   | DIODE SI  | <u> </u>     |
| D802  | B0EAKT000027   | DIODE SI  | Δ            |
| D802  | BOEAKTOOOO30   | DIODE SI  | <u>A</u>     |
|   |  |   | <u> </u>     |
| D803<br>D803  | BOAAKTOOOO10   | DIODE SI  | <u> </u>     |
|   | BOEAKTOOOO27   | DIODE SI  | <u> </u>     |
| D803  | BOEAKTOOOO30   | DIODE SI  | <b>-</b>     |
| D804  | BOAAKTOOOO10   | DIODE SI  | <u> </u>     |
| D804  | BOEAKT000027   | DIODE SI  | <u> </u>     |
| D804  | BOEAKT000030   | DIODE SI  | ⚠            |
| D805  | MA2C16700E   | DIODE SI  | +            |
| D805  | BOAAEL000001   | DIODE SI  | <del> </del> |
| D881  | ERZV10V361CS   | SURGE ABSORBER  |              |
| D881  | D4EAA3610001   | SURGE ABSORBER  | Δ            |
| D882  | ERZV10V361CS   | SURGE ABSORBER  | ⚠            |
| D882  | D4EAA3610001   | SURGE ABSORBER  | ⚠            |
| D1001   | DB105G   | DIODE SI  | Δ            |
| D1001   | B0EBKR000003   | DIODE SI  | $\triangle$  |
| D1001   | B0EBKR000020   | DIODE SI  | $\triangle$  |
| D1001   | B0EBKR000024   | DIODE SI  | Δ            |
| D1002   | В0НАНР000014   | DIODE SI  |              |
| D1002   | B0HAJP000007   | DIODE SI  |              |
| D1002   | B0HAMP000061   | DIODE SI  |              |
| D1002   | B0HAMP000069   | DIODE SI  |              |
| D1003   | B0HAHP000014   | DIODE SI  |              |
| D1003   | В0НАЈР000007   | DIODE SI  |              |
|   | BOHAMPOOOO61   |   |              |
| D1003   |  | DIODE SI  | +            |
| D1003   | B0HAMP000069   | DIODE SI  | +            |
| D1005   | BOHAHPOOOO14   | DIODE SI  | +            |
| D1005   | BOHAJP000007   | DIODE SI  | +            |
| D1005   | BOHAMPOOOO61   | DIODE SI  |              |
| D1005   | B0HAMP000069   | DIODE SI  | +            |
| D1006   | BOHAMLOOO015   | DIODE SI  |              |
| D1006   | B0HANL000012   | DIODE SI  |              |
| D1008   | B0JAME000079   | DIODE SI  |              |
| D1008   | B0JAME000049   | DIODE SI  |              |
| D1008   | B0JANE000011   | DIODE SI  |              |
| D1008   | B0JANE000022   | DIODE SI  |              |
| D1015   | MA2180LA   | DIODE ZENER 18V   | ⚠            |
| D1015   | B0BA01800025   | DIODE ZENER 18V   | A            |
|   | 1N4746A-T  | DIODE ZENER 18V   | ⚠            |
|   |  | DIODE ZENER 18V   | Δ            |
| D1015   | 1N4746ARL  |   |              |
| D1015<br>D1015  | MA2C165001VT   | DIODE SI  |              |
| D1015<br>D1015<br>D1016   |  | DIODE SI  |              |
| D1015<br>D1015<br>D1016<br>D1016  | MA2C165001VT<br>B0AACK000004   | DIODE SI  |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016                                     | MA2C165001VT<br>B0AACK000004<br>1SS119   | DIODE SI  |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016<br>D1051                            | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF   | DIODE SI<br>DIODE SI<br>DIODE ZENER 11V   |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016<br>D1016<br>D1051                   | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF<br>MA2C165001VT   | DIODE SI DIODE SI DIODE ZENER 11V DIODE SI  |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016<br>D1016<br>D1051<br>D4171          | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF<br>MA2C165001VT<br>B0AACK000004                         | DIODE SI DIODE SI DIODE SI DIODE SI   |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016<br>D1016<br>D1051<br>D4171<br>D4171 | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF<br>MA2C165001VT<br>B0AACK000004<br>1SS119               | DIODE SI DIODE ZENER 11V DIODE SI DIODE SI DIODE SI DIODE SI                                    |              |
| D1015 D1015 D1016 D1016 D1016 D1016 D1051 D4171 D4171 D4171 D4526             | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF<br>MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ40560MF | DIODE SI DIODE ZENER 11V DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE ZENER 5.6V |              |
| D1015<br>D1015<br>D1016<br>D1016<br>D1016<br>D1016<br>D1051<br>D4171<br>D4171 | MA2C165001VT<br>B0AACK000004<br>1SS119<br>MAZ4110NHF<br>MA2C165001VT<br>B0AACK000004<br>1SS119               | DIODE SI DIODE ZENER 11V DIODE SI DIODE SI DIODE SI DIODE SI                                    |              |

| Ref.<br>No. | Part No.     | Part Name & Description     | Remarks     |
|-------------|--------------|-----------------------------|-------------|
| D5501       | MAZ40620L1KT | DIODE ZENER 6.2V            | $\triangle$ |
| D5602       | MA2C165001VT | DIODE SI                    |             |
| D5602       | B0AACK000004 | DIODE SI                    |             |
| D5602       | 188119       | DIODE SI                    |             |
| D5603       | MA2C165001VT | DIODE SI                    |             |
| D5603       | B0AACK000004 | DIODE SI                    |             |
| D5603       | 188119       | DIODE SI                    |             |
| D6001       | VEKS5708     | SENSOR LED UNIT             |             |
| D6003       | MA2C165001VT | DIODE SI                    |             |
| D6003       | B0AACK000004 | DIODE SI                    |             |
| D6003       | 188119       | DIODE SI                    |             |
| D6005       | MA2C165001VT | DIODE SI                    |             |
| D6005       | B0AACK000004 | DIODE SI                    |             |
| D6005       | 188119       | DIODE SI                    |             |
| D6301       | B3AAA0000538 | LIGHT EMITTING DIODE RED    |             |
| D6302       | B3ACA0000192 | LIGHT EMITTING DIODE ORANGE |             |
| D6303       | B3ABA0000400 | LIGHT EMITTING DIODE GREEN  |             |

| D           | Don't "-     | RESISTORS                             | D 1     |
|-------------|--------------|---------------------------------------|---------|
| Ref.<br>No. | Part No.     | Part Name & Description               | Remarks |
| R401        | ERDS2TJ221   | CARBON 1/4W 220                       |         |
| R402        | ERDS2TJ333T  | CARBON 1/4W 33K                       |         |
| R405        | ERG2ANJ561H  | METAL OXIDE 2W 560                    |         |
| R409        | ERJ6GEYJ273V | MGF CHIP 1/10W 27K                    |         |
| R410        | ERDS2TJ472   | CARBON 1/4W 4.7K                      |         |
| R411        | ERDS2TJ104   | CARBON 1/4W 100K                      |         |
| R413        | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                    |         |
| R414        | ERX12SJR82P  | PRECISION METAL FILM 1/2W 0.82        | Δ       |
| R422        | ERD25FJ101P  | CARBON 1/4W 100                       | Δ       |
| R427        | ERQ14AJ5R6P  | FUSE 1/4W 5.6                         | Δ       |
| R431        | ERDS2TJ103   | CARBON 1/4W 10K                       |         |
| R432        | ERJ6GEYJ393V | MGF CHIP 1/10W 39K                    |         |
| R433        | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                    |         |
| R434        | ERDS2TJ103   | CARBON 1/4W 10K                       |         |
| R435        | ERDS2TJ103   | CARBON 1/4W 10K                       |         |
|             | +            | · ·                                   |         |
| R436        | ERJ6GEYJ104V | MGF CHIP 1/10W 100K                   |         |
| R466        | ERJ6GEYJ683V | MGF CHIP 1/10W 68K                    |         |
| R468        | ERDS2TJ102   | CARBON 1/4W 1K                        | •       |
| R471        | ERDS1FJ152P  | CARBON 1/2W 1.5K                      | ⚠       |
| R472        | ERDS2TJ332   | CARBON 1/4W 3.3K                      |         |
| R501        | ERJ6GEYJ471V | MGF CHIP 1/10W 470                    |         |
| R502        | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K                   |         |
| R503        | EROS2THF9101 | PRECISION METAL FILM 1/4W 9.1k        | Δ       |
| R504        | ERJ6GEY0R00V | MGF CHIP 1/10W 0                      |         |
| R505        | ERDS2TJ561   | CARBON 1/4W 560                       |         |
| R509        | ERDS2TJ101   | CARBON 1/4W 100                       |         |
| R511        | ERG3FJ272H   | METAL OXIDE 3W 2.7K                   |         |
| R516        | LAR05202J09  | W FLMPRF 5W 2K                        |         |
| R517        | ERDS2TJ472   | CARBON 1/4W 4.7K                      |         |
| R518        | ERDS1FJ1R0P  | CARBON 1/2W 1                         |         |
| R519        | ERDS2TJ123   | CARBON 1/4W 12K                       |         |
| R520        | ERDS2TJ562   | CARBON 1/4W 5.6K                      |         |
| R525        | ERDS2TJ122   | CARBON 1/4W 1.2K                      |         |
| R529        | ERDS2TJ103   | CARBON 1/4W 10K                       |         |
| R531        | ERDS2T0103   | CARBON 1/4W 10K                       |         |
|             |              | · · · · · · · · · · · · · · · · · · · |         |
| R533        | ERDS2TJ152   | CARBON 1/4W 1.5K                      |         |
| R534        | ERDS2TJ681   | CARBON 1/4W 680                       |         |
| R535        | ERDS2TJ471   | CARBON 1/4W 470                       |         |
| R536        | ERG2ANJ153H  | METAL OXIDE 2W 15K                    |         |
| R536        | ERG2ANJP153H | METAL OXIDE 2W 15K                    |         |
| R537        | ERG2ANJ153H  | METAL OXIDE 2W 15K                    |         |
| R537        | ERG2ANJP153H | METAL OXIDE 2W 15K                    |         |
| R538        | ERDS2TJ473   | CARBON 1/4W 47K                       |         |
| R539        | ERDS2TJ473   | CARBON 1/4W 47K                       |         |
| R540        | ERDS2TJ562   | CARBON 1/4W 5.6K                      |         |
| R541        | ERDS2TJ222   | CARBON 1/4W 2.2K                      |         |
| R542        | ERDS2TJ473   | CARBON 1/4W 47K                       |         |
| R543        | ERDS2TJ102   | CARBON 1/4W 1K                        |         |
| R544        | ERDS2TJ101   | CARBON 1/4W 100                       |         |
| R545        | ERDS2TJ152   | CARBON 1/4W 1.5K                      |         |
| R546        | ERDS2TJ223   | CARBON 1/4W 22K                       |         |

| Ref.<br>No.   | Part No.   | Part Name & Description   | Remark      |
|---|--|---|-------------|
| R552  | ERDS2TJ472   | CARBON 1/4W 4.7K  |             |
| R553  | ERDS2TJ102   | CARBON 1/4W 1K  |             |
| R554  | ERDS2TJ103   | CARBON 1/4W 10K   |             |
| R555  | ERDS2TJ823   | CARBON 1/4W 82K   |             |
| R556  | ERDS2TJ473   | CARBON 1/4W 47K   |             |
| R558  | ERG2ANJ102H  | METAL OXIDE 2W 1K   |             |
| R559  | ERDS2TJ822   | CARBON 1/4W 8.2K  |             |
| R561  | ERQ2CKPR82S  | FUSE 2W 0.82  |             |
| R562  | ERF5ZK2R2  | W FLMPRF 5W 2.2   |             |
| R571  | ERDS2TJ101   | CARBON 1/4W 100   |             |
| R572  | ERJ6GEYJ331V   | MGF CHIP 1/10W 330  |             |
| R573  | ERDS2TJ221   | CARBON 1/4W 220   |             |
| R574  | ERJ6GEYJ273V   | MGF CHIP 1/10W 27K  |             |
| R581  | ERDS1FJ1R5P  | CARBON 1/2W 1.5   | <u> </u>    |
| R582  | ERDS1FJ1R2P  | CARBON 1/2W 1.2   | <u> </u>    |
| R583  | ERDS1FJ1R5P  | CARBON 1/2W 1.5   |             |
| R584  | ERDS2TJ562   | CARBON 1/4W 5.6K  |             |
| R585  | ERDS2TJ473   | CARBON 1/4W 47K   |             |
| R586  | ERDS2TJ393   | CARBON 1/4W 39K   |             |
| R593  | ERF5ZJ121  | W FLMPRF 5W 120   | 4.          |
| R801  | ERF5ZKR82  | W FLMPRF 5W 0.82  | ⚠           |
| R802  | ERDS1FJ103P  | CARBON 1/2W 10K   | ⚠           |
| R803  | ERF10ZK8R2S  | W FLMPRF 10W 8.2  |             |
| R804  | ERF20ZJ131   | W FLMPRF 20W 130  |             |
| R805  | ERDS2TJ104   | CARBON 1/4W 100K  |             |
| R806  | ERQ14AJ470P  | FUSE 1/4W 47  | Δ           |
| R810  | ERDS2TJ103   | CARBON 1/4W 10K   |             |
| R813  | ERDS2TJ104   | CARBON 1/4W 100K  |             |
| R818  | VRESC2TK825T   | SOLID 1/2W 8.2M   | ⚠           |
| R865  | ERDS2TJ222   | CARBON 1/4W 2.2K  |             |
| R1003   | D0AF334JA038   | CARBON 1/2W 330K  |             |
| R1004   | ERG2SJ333H   | METAL OXIDE 2W 33K  |             |
| R1005   | ERG1SJ560P   | METAL OXIDE 1W 56   |             |
| R1006   | ERJ6GEYJ222V   | MGF CHIP 1/10W 2.2K   |             |
| R1007   | ERDS2TJ101   | CARBON 1/4W 100   |             |
| R1008   | ERDS2TJ392   | CARBON 1/4W 3.9K  |             |
| R1010   | ERD25FJ100P  | CARBON 1/4W 10  | $\triangle$ |
| R1014   | ERJ6GEYJ221V   | MGF CHIP 1/10W 220  |             |
| R1015   | ERJ6GEYJ222V   | MGF CHIP 1/10W 2.2K   |             |
| R1016   | ERJ6GEYJ102V   | MGF CHIP 1/10W 1K   |             |
| R <b>101</b> 7  | D1BD2431A016   | MGF CHIP 1/10W 2.43K  |             |
| R1018   | D0HD222ZA002   | MGF CHIP 1/10W 2.2K   |             |
| R1025   | ERDS2TJ300T  | CARBON 1/4W 30  |             |
| R1026   | ERDS2TJ300T  | CARBON 1/4W 30  |             |
| R1051   | ERJ6GEYJ122V   | MGF CHIP 1/10W 1.2K   |             |
| R1052   | ERDS2TJ153   | CARBON 1/4W 15K   |             |
| R1053   | ERDS2TJ153   | CARBON 1/4W 15K   |             |
| R1057   | ERDS2TJ331   | CARBON 1/4W 330   |             |
| R1058   | ERJ6GEYJ104V   | MGF CHIP 1/10W 100K   |             |
| R3001   | ERDS2TJ101   | CARBON 1/4W 100   |             |
| R3006   | ERDS2TJ101   | CARBON 1/4W 100   |             |
| R3016   | ERJ6GEYJ121V   | MGF CHIP 1/10W 120  |             |
| R3017   | ERJ6GEYJ331V   | MGF CHIP 1/10W 330  |             |
| R3024   | ERJ6GEYJ471V   | MGF CHIP 1/10W 470  |             |
| R3025   | ERJ6GEYJ125V   | MGF CHIP 1/10W 1.2M   |             |
| R3026   | ERJ6GEYJ474V   | MGF CHIP 1/10W 470K   |             |
| R3028   | ERJ6GEYJ272V   | MGF CHIP 1/10W 2.7K   |             |
| R3029   | ERJ6GEYJ151V   | MGF CHIP 1/10W 150  |             |
| R3032   | ERJ6GEYJ122V   | MGF CHIP 1/10W 1.2K   |             |
| R3035   | ERJ6GEYJ103V   | MGF CHIP 1/10W 10K  |             |
|   | ERJ6GEYJ102V   | MGF CHIP 1/10W 1K   |             |
| R3036   | ERJ6GEYJ102V   | MGF CHIP 1/10W 1K   |             |
| R3036<br>R3037  |  |   |             |
| R3037   | +  | MGF CHIP 1/10W 2.2K   | 1           |
| R3037<br>R3038  | ERJ6GEYJ222V   | MGF CHIP 1/10W 2.2K   |             |
| R3037<br>R3038<br>R3044   | ERJ6GEYJ222V<br>ERJ6GEYG562V   | MGF CHIP 1/10W 5.6K   |             |
| R3037<br>R3038<br>R3044<br>R3045  | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V   | MGF CHIP 1/10W 5.6K<br>MGF CHIP 1/10W 2.2K  |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047                                     | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V   | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K   |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047                                     | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V<br>ERJ6GEYJ101V   | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100  |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047<br>R3077                            | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V<br>ERJ6GEYJ101V<br>ERJ6GEYJ102V                                 | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K  |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047<br>R3077<br>R3084<br>R3086          | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V<br>ERJ6GEYJ101V<br>ERJ6GEYJ102V<br>ERJ6GEYJ221V                 | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K                                      |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047<br>R3077<br>R3084<br>R3086<br>R3091 | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V<br>ERJ6GEYJ101V<br>ERJ6GEYJ102V<br>ERJ6GEYJ221V<br>ERJ6GEYJ750V | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 220 MGF CHIP 1/10W 75 |             |
| R3037<br>R3038<br>R3044<br>R3045<br>R3047<br>R3077<br>R3084<br>R3086          | ERJ6GEYJ222V<br>ERJ6GEYG562V<br>ERJ6GEYG222V<br>ERJ6GEYG102V<br>ERJ6GEYJ101V<br>ERJ6GEYJ102V<br>ERJ6GEYJ221V                 | MGF CHIP 1/10W 5.6K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K                                      |             |

| Ref.     | Part No.     | Part Name & Description               | Remarks      |
|----------|--------------|---------------------------------------|--------------|
| No.      |              |                                       |              |
| R4001    | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                    |              |
| R4002    | ERJ6GEYJ334V | MGF CHIP 1/10W 330K                   |              |
| R4003    | ERJ6GEYJ221V | MGF CHIP 1/10W 220                    |              |
|          |              | · ·                                   |              |
| R4004    | ERJ6GEYJ333V | MGF CHIP 1/10W 33K                    |              |
| R4005    | ERJ6GEYJ225V | MGF CHIP 1/10W 2.2M                   |              |
| R4006    | ERJ6GEYJ681V | MGF CHIP 1/10W 680                    |              |
| R4007    | ERJ6GEYJ821V | MGF CHIP 1/10W 820                    |              |
| R4008    | ERJ6GEYJ273V | MGF CHIP 1/10W 27K                    |              |
|          |              |                                       | 1            |
| R4009    | ERJ6GEYJ473V | MGF CHIP 1/10W 47K                    |              |
| R4010    | ERJ6GEYJ473V | MGF CHIP 1/10W 47K                    |              |
| R4011    | ERJ6GEYJ682V | MGF CHIP 1/10W 6.8K                   |              |
| R4012    | ERJ6GEYJ682V | MGF CHIP 1/10W 6.8K                   |              |
| R4014    | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K                   |              |
| R4015    | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K                   |              |
|          |              | i i                                   |              |
| R4018    | ERJ6GEYJ123V | MGF CHIP 1/10W 12K                    |              |
| R4021    | ERJ6GEYJ473V | MGF CHIP 1/10W 47K                    |              |
| R4101    | ERJ6GEYJ563V | MGF CHIP 1/10W 56K                    |              |
| R4102    | ERJ6GEYJ154V | MGF CHIP 1/10W 150K                   |              |
| R4103    | ERJ6GEYJ273V | MGF CHIP 1/10W 27K                    |              |
| R4172    | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                     |              |
|          |              | · ·                                   | 1            |
| R4175    | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                     | 1            |
| R4502    | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                     |              |
| R4504    | ERJ6GEYJ823V | MGF CHIP 1/10W 82K                    |              |
| R4509    | ERDS2TJ100   | CARBON 1/4W 10                        |              |
| R4521    | ERQ1ABJP4R7S | FUSE 1W 4.7                           | Δ            |
| R4523    | ERJ6GEY0R00V | MGF CHIP 1/10W 0                      | <del> </del> |
|          |              | · · · · · · · · · · · · · · · · · · · | +            |
| R4591    | ERDS2TJ681   | CARBON 1/4W 680                       | 1            |
| R4592    | ERDS2TJ681   | CARBON 1/4W 680                       |              |
| R4593    | ERDS2TJ681   | CARBON 1/4W 680                       |              |
| R4594    | ERDS2TJ681   | CARBON 1/4W 680                       |              |
| R4701    | ERJ6GEYJ561V | MGF CHIP 1/10W 560                    |              |
| R5301    | ERJ6GEYJ221V | MGF CHIP 1/10W 220                    | 1            |
| <u> </u> |              |                                       | <u> </u>     |
| R5304    | ERJ6GEYJ473V | MGF CHIP 1/10W 47K                    |              |
| R5305    | ERJ6GEYJ224V | MGF CHIP 1/10W 220K                   |              |
| R5306    | ERJ6GEYJ223V | MGF CHIP 1/10W 22K                    |              |
| R5307    | ERJ6GEY0R00V | MGF CHIP 1/10W 0                      |              |
| R5308    | ERJ6GEYJ563V | MGF CHIP 1/10W 56K                    |              |
| R5309    | ERJ6GEYJ274V | MGF CHIP 1/10W 270K                   |              |
|          |              | i.                                    | <u> </u>     |
| R5311    | ERJ6GEYJ331V | MGF CHIP 1/10W 330                    |              |
| R5312    | ERJ6GEYJ331V | MGF CHIP 1/10W 330                    |              |
| R5313    | ERJ6GEYJ331V | MGF CHIP 1/10W 330                    |              |
| R5314    | ERDS2TJ272   | CARBON 1/4W 2.7K                      |              |
| R5315    | ERDS2TJ272   | CARBON 1/4W 2.7K                      |              |
| R5316    | ERDS2TJ272   | CARBON 1/4W 2.7K                      |              |
|          |              |                                       |              |
| R5317    | ERDS2TJ101   | CARBON 1/4W 100                       |              |
| R5324    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    |              |
| R5401    | ERJ6GEYJ561V | MGF CHIP 1/10W 560                    |              |
| R5402    | ERJ6GEYJ394V | MGF CHIP 1/10W 390K                   |              |
| R5403    | ERJ6GEYJ221V | MGF CHIP 1/10W 220                    |              |
| R5405    | ERJ6GEYJ822V | MGF CHIP 1/10W 220                    | 1            |
|          |              |                                       | 1            |
| R5406    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    | 1            |
| R5501    | ERJ6GEYJ471V | MGF CHIP 1/10W 470                    | 1            |
| R5502    | ERJ6GEYJ394V | MGF CHIP 1/10W 390K                   |              |
| R5503    | ERDS2TJ471   | CARBON 1/4W 470                       |              |
| R5504    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    |              |
| R5505    | ERJ6ENF3241V | MGF CHIP 1/10W 3.24K                  | Δ            |
|          |              |                                       | <del> </del> |
| R5506    | ERJ6GEYJ473V | MGF CHIP 1/10W 47K                    | +            |
| R5508    | ERJ6GEYJ561V | MGF CHIP 1/10W 560                    | 1            |
| R5510    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    |              |
| R5511    | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K                   |              |
| R5512    | ERDS2TJ151   | CARBON 1/4W 150                       |              |
| R5513    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    |              |
|          | ERJ6GEYJ272V |                                       | 1            |
| R5601    |              | MGF CHIP 1/10W 2.7K                   | +            |
| R5604    | ERJ6GEYJ332V | MGF CHIP 1/10W 3.3K                   | 1            |
| R5611    | ERJ6GEYJ223V | MGF CHIP 1/10W 22K                    | 1            |
| R5612    | ERJ6GEYJ223V | MGF CHIP 1/10W 22K                    |              |
| R5614    | ERJ6GEYJ563V | MGF CHIP 1/10W 56K                    |              |
| R5902    | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                     |              |
| R5932    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    |              |
|          |              |                                       | +            |
| R5933    | ERJ6GEYJ101V | MGF CHIP 1/10W 100                    | 1            |
| R6001    | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                    | 1            |
| R6002    | ERJ6GEYJ103V | MGF CHIP 1/10W 10K                    |              |
| R6003    | ERJ6GEYJ102V | MGF CHIP 1/10W 1K                     |              |
| •        | •            | •                                     |              |

| Ref.                    | Part No.                     | Part Name & Description                | Remarks |
|-------------------------|------------------------------|--|---------|
| No.                     |                              |  |         |
| R6004                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6005                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6007                   | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                     |         |
| R6008                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6014                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6015                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6016                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6017                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6018                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6019                   | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K                     |         |
| R6021                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6022                   | ERJ6GEYJ332V                 | MGF CHIP 1/10W 3.3K                    |         |
| R6023                   | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                     |         |
| R6024                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6025                   | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                       |         |
| R6026                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6028                   | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                    |         |
| R6029                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6030                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6032                   | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                    |         |
| R6035                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6040                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6041                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6042                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6044                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6045                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      | 1       |
| R6046                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      | 1       |
| R6049                   | ERJ6GEY0R00V                 | MGF CHIP 1/10W 0                       |         |
| R6050                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6053                   | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                    |         |
| R6054                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6055                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6057                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6058                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6059                   | ERJ6GEYJ222V                 | MGF CHIP 1/10W 2.2K                    |         |
| R6060                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6061                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 1K                      |         |
|                         |                              | MGF CHIP 1/10W 100                     |         |
| R6062                   | ERJ6GEYJ101V                 | · .                                    |         |
| R6063                   | ERJ6GEYJ101V                 | MGF CHIP 1/10W 100                     |         |
| R6064                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6066                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6067                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6077                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6078                   | ERJ6GEYJ102V                 | MGF CHIP 1/10W 1K                      |         |
| R6080                   | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                    |         |
| R6081                   | ERJ6GEYJ122V                 | MGF CHIP 1/10W 1.2K                    |         |
| R6082                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6090                   | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                     | 1       |
| R6091                   | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                     | 1       |
| R6092                   | ERJ6GEYJ471V                 | MGF CHIP 1/10W 470                     | 1       |
| R6098                   | ERJ6GEYJ153V                 | MGF CHIP 1/10W 15K                     | 1       |
| R6113                   | ERJ6GEYJ472V                 | MGF CHIP 1/10W 4.7K                    | 1       |
| R6114                   | ERJ6GEYJ272V                 | MGF CHIP 1/10W 2.7K                    | 1       |
| R6115                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     | 1       |
| R6116                   | ERDS2TJ101                   | CARBON 1/4W 100                        |         |
| R6118                   | ERJ6GEYJ104V                 | MGF CHIP 1/10W 100K                    |         |
| R6119                   | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                     | 1       |
| R6120                   | ERJ6GEYJ104V                 | MGF CHIP 1/10W 100K                    | 1       |
| R6121                   | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                     |         |
| R6122                   | ERJ6GEYJ181V                 | MGF CHIP 1/10W 180                     |         |
| R6123                   | ERJ6GEYJ473V                 | MGF CHIP 1/10W 47K                     |         |
| R6124                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6126                   | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                     |         |
| R6127                   | ERJ6GEYJ221V                 | MGF CHIP 1/10W 220                     |         |
| R6130                   | ERJ6GEYJ223V                 | MGF CHIP 1/10W 22K                     |         |
| R6131                   | ERJ6GEYJ183V                 | MGF CHIP 1/10W 18K                     |         |
|                         | ERJ6GEYJ391V                 | MGF CHIP 1/10W 390                     |         |
| R6132                   | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6132<br>R6133          |                              |  |         |
|                         | ERJ6GEYJ103V                 | MGF CHIP 1/10W 10K                     |         |
| R6133                   | ERJ6GEYJ103V<br>ERJ6GEYJ475V | MGF CHIP 1/10W 10K MGF CHIP 1/10W 4.7M |         |
| R6133<br>R6134          |                              |  |         |
| R6133<br>R6134<br>R6135 | ERJ6GEYJ475V                 | MGF CHIP 1/10W 4.7M                    |         |

|             |              |                         | P       |
|-------------|--------------|-------------------------|---------|
| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
| R6142       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6143       | ERJ6GEYJ223V | MGF CHIP 1/10W 22K      |         |
| R6144       | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K     |         |
| R6145       | ERJ6GEYJ273V | MGF CHIP 1/10W 27K      |         |
| R6149       | ERJ6GEYJ273V | MGF CHIP 1/10W 27K      |         |
| R6150       | ERJ6GEYJ273V | MGF CHIP 1/10W 27K      |         |
| R6160       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6161       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6162       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6163       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R6164       | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K     |         |
| R6165       | ERJ6GEYJ472V | MGF CHIP 1/10W 4.7K     |         |
| R6166       | ERJ6GEYJ223V | MGF CHIP 1/10W 22K      |         |
| R6170       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R6201       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R6202       | ERJ6GEYJ473V | MGF CHIP 1/10W 47K      |         |
| R6203       | ERJ6GEYJ274V | MGF CHIP 1/10W 270K     |         |
| R6204       | ERJ6GEYJ184V | MGF CHIP 1/10W 180K     |         |
| R6205       | ERJ6GEYJ103V | MGF CHIP 1/10W 10K      |         |
| R6207       | ERJ6GEYJ101V | MGF CHIP 1/10W 100      |         |
| R6208       | ERJ6GEYJ152V | MGF CHIP 1/10W 1.5K     |         |
| R6209       | ERJ6GEYJ222V | MGF CHIP 1/10W 2.2K     |         |
| R6210       | ERJ6GEYJ563V | MGF CHIP 1/10W 56K      |         |
| R6211       | ERJ6GEYJ153V | MGF CHIP 1/10W 15K      |         |
| R6212       | ERJ6GEYJ682V | MGF CHIP 1/10W 6.8K     |         |
| R6301       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6302       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6303       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6304       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6305       | ERJ6GEYJ182V | MGF CHIP 1/10W 1.8K     |         |
| R6306       | ERJ6GEYJ392V | MGF CHIP 1/10W 3.9K     |         |
| R6307       | ERJ6GEYJ562V | MGF CHIP 1/10W 5.6K     |         |
| R7001       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7002       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7003       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7004       | ERJ6GEYJ102V | MGF CHIP 1/10W 1K       |         |
| R7006       | ERJ6GEYJ271V | MGF CHIP 1/10W 270      |         |
| R7007       | ERDS2TJ102   | CARBON 1/4W 1K          |         |

CAPACITORS

| Ref.<br>No. | Part No.     | Part Name & Description  | Remarks |
|-------------|--------------|--------------------------|---------|
| C401        | ECA1HM2R2B   | ELECTROLYTIC 50V 2.2UF   |         |
| C402        | ECA1CM471B   | ELECTROLYTIC 16V 470UF   |         |
| C408        | ECA1HGE010KB | ELECTROLYTIC 50V 1UF     |         |
| C409        | ECA1VM221B   | ELECTROLYTIC 35V 220UF   |         |
| C413        | ECQB1H104KF  | POLYESTER 50V 0.1UF      |         |
| C414        | ECA1EM102B   | ELECTROLYTIC 25V 1000UF  |         |
| C418        | ECA1VM221B   | ELECTROLYTIC 35V 220UF   |         |
| C459        | ECQB1H103KF3 | POLYESTER 50V 0.01UF     |         |
| C510        | ECKR2H681KB5 | CERAMIC 500V 680PF       |         |
| C513        | ECA1EM101B   | ELECTROLYTIC 25V 100UF   |         |
| C524        | ECKC3D221KBP | CERAMIC 2KV 220PF        | Δ       |
| C531        | ECA1HM3R3B   | ELECTROLYTIC 50V 3.3UF   |         |
| C533        | ECA1EM101B   | ELECTROLYTIC 25V 100UF   |         |
| C534        | ECEA1HKA2R2  | ELECTROLYTIC 50V 2.2UF   |         |
| C552        | ECA1EM471B   | ELECTROLYTIC 25V 470     |         |
| C553        | ECKR2H471KB5 | CERAMIC 500V 470PF       |         |
| C554        | LSCFN12123JB | POLYESTER 1.2KV 0.012UF  | Δ       |
| C556        | ECWF2474JBB  | POLYESTER 250V 0.47UF    | Δ       |
| C558        | ECA1VM331B   | ELECTROLYTIC 35V 330UF   |         |
| C560        | ECA2EM100B   | ELECTROLYTIC 250V 10UF   | Δ       |
| C561        | ECA1HM2R2B   | ELECTROLYTIC 50V 2.2UF   |         |
| C563        | ECEA180V33WE | ELECTROLYTIC 180V 33UF   |         |
| C571        | ECA1HM3R3B   | ELECTROLYTIC 50V 3.3UF   |         |
| C572        | ECA1CM221B   | ELECTROLYTIC 16V 220UF   |         |
| C573        | ECKR2H122KB5 | CERAMIC 50V 1200PF       |         |
| C581        | ECWH12H222JS | POLYESTER 1250V 0.0022UF |         |
| C801        | VCKSRNG472ZX | CERAMIC 250V 4700PF      |         |
| C802        | VCKSRNG472ZX | CERAMIC 250V 4700PF      |         |
| C803        | VCKSRNG472ZX | CERAMIC 250V 4700PF      |         |
| C804        | VCKSRNG472ZX | CERAMIC 250V 4700PF      |         |
| C805        | ECOS2DP681BB | ELECTROLYTIC 220V 680UF  | Δ       |
| C806        | ECA2EM330E   | ELECTROLYTIC 250V 33UF   |         |

| Ref.<br>No.   | Part No.   | Part Name & Description   | Remark      |
|---|--|---|-------------|
| C807  | J0LE00000023   | ARRESTER  | Δ           |
| C808  | ECQU2A823MLA   | POLYESTER 250V 0.082UF  | Δ           |
| C809  | F1B2E101A009   | CERAMIC 250V 100PF  | Δ           |
| C811  | F1B2E152A012   | CERAMIC 250V 1500PF   | ⚠           |
| C1001   | ECKATS103MF  | CERAMIC 250V 0.01UF   | $\triangle$ |
| C1001   | ECKETS103MF  | CERAMIC 125V 0.01UF   | $\triangle$ |
| C1001   | VCKST3G103MY   | CERAMIC 250V 0.01UF   | $\Delta$    |
| C1001   | VCKSU3D103MY   | CERAMIC 125V 0.01UF   | Δ           |
| C1002   | ECKATS332ME8   | CERAMIC 250V 3300PF   | Δ           |
| C1002   | ECKDNB332ME8   | CERAMIC 125V 3300PF   | Δ           |
| C1002   | ECKETS332ME8   | CERAMIC 125V 3300PF   | Δ           |
| C1002   | VCKST3G332MX   | CERAMIC 250V 3300PF   | Δ           |
| C1002   | VCKSU3D332MX   | CERAMIC 125V 3300PF   | Δ           |
| C1003   | F1B2E102A012   | CERAMIC 250V 1000PF   | Δ           |
| C1003   | F1B2E102A011   | CERAMIC 250V 1000PF   | Δ           |
| C1003   | F1B2E102A044   | CERAMIC 250V 1000PF   | Δ           |
| C1003   | F1B2E102A045   | CERAMIC 250V 1000PF   | Δ           |
| C1003   | F1B2E1020005   | CERAMIC 250V 1000PF   | Δ           |
| C1003   | F1B2E1020006   | CERAMIC 250V 1000PF   | $\triangle$ |
| C1004   | ECEA2DU121YE   | ELECTROLYTIC 200V 120UF   | <u>A</u>    |
| C1004   | F2A2D1210001   | ELECTROLYTIC 200V 120UF   | <u>A</u>    |
|   | +  |   | <u>A</u>    |
| C1004   | F2A2D1210003   | ELECTROLYTIC 200V 120UF   |             |
| C1004   | VCESR2D121XE   | ELECTROLYTIC 200V 120UF   | Δ           |
| C1005   | ECA2DHG4R7B  | ELECTROLYTIC 200V 4.7UF   |             |
| C1006   | ECKR2H221KB5   | CERAMIC 500V 220PF  |             |
| C1007   | ECJ2VB1C224K   | C CHIP 16V 0.22UF   |             |
| C1009   | VCYSBRE183KX   | CERAMIC 25V 0.018UF   |             |
| C1010   | ECJ2VB1H102K   | C CHIP 50V 1000PF   |             |
| C1011   | ECA1HHG470B  | ELECTROLYTIC 50V 47UF   |             |
| C1012   | ECEA1PEE331  | ELECTROLYTIC 18V 330UF  |             |
| C1013   | ECA1EM331B   | ELECTROLYTIC 25V 330UF  |             |
| C1016   | ECEA1PEE331  | ELECTROLYTIC 18V 330UF  |             |
| C1017   | ECA0JM102B   | ELECTROLYTIC 6.3V 1000UF  |             |
| C1018   | ECJ2VB1E104K   | C CHIP 25V 0.1UF  |             |
| C1025   | F1B2E101A009   | CERAMIC 250V 100PF  | $\triangle$ |
| C1025   | F1B2E101A008   | CERAMIC 250V 100PF  | Δ           |
| C1025   | F1B2E101A032   | CERAMIC 250V 100PF  | Δ           |
| C1025   | F1B2E101A037   | CERAMIC 250V 100PF  | Δ           |
| C1029   | ECJ2VC1H101J   | C CHIP 50V 100PF  |             |
| C1030   | VCYSBRE183KX   | CERAMIC 25V 0.018UF   |             |
| C1051   | ECEA1HKAR47  | ELECTROLYTIC 50V 0.47UF   |             |
| C1052   | ECEA1CKA100  | ELECTROLYTIC 16V 10UF   |             |
| C1058   | ECEA0JEE101  | ELECTROLYTIC 6.3V 100UF   |             |
| C1059   | ECEA1CKA470  | ELECTROLYTIC 16V 47UF   |             |
| C1060   | ECEA1CKA470  | ELECTROLYTIC 16V 47UF   |             |
| C3003   | ECJ2VF1E104Z   | C CHIP 25V 0.1UF  |             |
| C3004   | ECJ2VF1H103Z   | C CHIP 50V 0.01UF   |             |
| C3004   | ECJ2VF1E104Z   | C CHIP 25V 0.1UF  | +           |
| C3006   |  |   | +           |
|   | ECEA0JKA101  | C CUID FOW 180DE  | +           |
| C3008   | ECJ2VC1H181J   | C CHIP 50V 180PF  | +           |
| C3009   | ECEA1EKA4R7  | ELECTROLYTIC 25V 4.7UF  | +           |
| C3010   | ECJ2VF1H103Z   | C CHIP 50V 0.01UF   | +           |
| C3013   | ECJ2VF1C224Z   | C CHIP 16V 0.22UF   | +           |
| C3015   | ECEA0JKA470  | ELECTROLYTIC 6.3V 47UF  |             |
| C3016   | ECEA1CKA100  | ELECTROLYTIC 16V 10UF   | -           |
| 03019   | ECEA1HKA2R2  | ELECTROLYTIC 50V 2.2UF  |             |
| C3020   | ECEA1CKA220  | ELECTROLYTIC 16V 22UF   |             |
| C3021   | ECEA1HKA2R2  | ELECTROLYTIC 50V 2.2UF  |             |
| C3022   | ECJ2VF1C224Z   | C CHIP 16V 0.22UF   |             |
| C3023   | ECJ2VC1H680J   | C CHIP 50V 68PF   |             |
| C3024   | ECJ2VF1E104Z   | C CHIP 25V 0.1UF  |             |
| C3025   | ECJ2VB1E104K   | C CHIP 25V 0.1UF  |             |
|   | ECJ2VB1H822K   | C CHIP 50V 8200PF   |             |
| C3026   | ECJ2VF1H103Z   | C CHIP 50V 0.01UF   |             |
|   | TO TO TO THE TITLE OF THE  | C CHIP 50V 0.01UF   |             |
| C3027   | ECJ2VF1H103Z   | 1   |             |
| C3026<br>C3027<br>C3030<br>C3031                            | ECJ2VF1E104Z   | C CHIP 25V 0.1UF  |             |
| C3027<br>C3030  |  | C CHIP 25V 0.1UF<br>C CHIP 16V 0.47UF                               |             |
| C3027<br>C3030<br>C3031<br>C3032                            | ECJ2VF1E104Z   |   |             |
| C3027<br>C3030<br>C3031                                     | ECJ2VF1E104Z<br>ECJ2VF1C474Z   | C CHIP 16V 0.47UF   |             |
| C3027<br>C3030<br>C3031<br>C3032<br>C3034<br>C3035          | BCJ2VF1E104Z<br>BCJ2VF1C474Z<br>BCJ2VC1H181J<br>BCJ2VC1H330J                 | C CHIP 16V 0.47UF C CHIP 50V 180PF C CHIP 50V 33PF                  |             |
| C3027<br>C3030<br>C3031<br>C3032<br>C3034<br>C3035<br>C3036 | ECJ2VF1E104Z<br>ECJ2VF1C474Z<br>ECJ2VC1H181J<br>ECJ2VC1H330J<br>ECJ2VF1E104Z | C CHIP 16V 0.47UF C CHIP 50V 180PF C CHIP 50V 33PF C CHIP 25V 0.1UF |             |
| C3027<br>C3030<br>C3031<br>C3032<br>C3034<br>C3035          | BCJ2VF1E104Z<br>BCJ2VF1C474Z<br>BCJ2VC1H181J<br>BCJ2VC1H330J                 | C CHIP 16V 0.47UF C CHIP 50V 180PF C CHIP 50V 33PF                  |             |

| Ref.  | Part No.                     | Part Name & Description                     | Remarks |
|-------|------------------------------|---|---------|
| No.   |                              |   |         |
| C3044 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C3045 | ECEA1HKAR47                  | ELECTROLYTIC 50V 0.47UF                     |         |
| C3046 | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                      |         |
| C3047 | ECEA0JKA101                  | ELECTROLYTIC 6.3V 100UF                     |         |
| C3048 | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                            |         |
| C3050 | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                      |         |
| C3053 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C3055 | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                            |         |
| C3056 | ECJ2VF1E104Z<br>ECJ2VF1E104Z | C CHIP 25V 0.1UF                            |         |
| C3058 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C3082 | ECJ2VB1H332K                 | C CHIP 50V 3300PF                           |         |
| C3231 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C3232 | ECJ2VB1H102K                 | C CHIP 50V 1000PF                           |         |
| C3234 | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                      |         |
| C3235 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C3236 | ECJ2VF1E104Z                 | C CHIP 25V 0.1UF                            |         |
| C3237 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C4001 | ECJ2VF1C224Z                 | C CHIP 16V 0.22UF                           |         |
| C4002 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C4003 | ECJ2VB1H272K                 | C CHIP 50V 2700PF                           |         |
| C4004 | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                           |         |
| C4005 | ECEA0JKA220                  | ELECTROLYTIC 6.3V 22UF                      |         |
| C4006 | ECJ2VB1H102K                 | C CHIP 50V 1000PF                           |         |
| C4007 | ECEA0JKA220                  | ELECTROLYTIC 6.3V 22UF                      |         |
| C4008 | ECEA0JKA470                  | ELECTROLYTIC 6.3V 47UF                      |         |
| C4009 | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                       |         |
| C4010 | ECJ2VB1E333K                 | C CHIP 25V 0.033UF                          |         |
| C4011 | ECJ2VB1H103K<br>ECEA1HKA010  | C CHIP 50V 0.01UF                           |         |
| C4012 | ECEA0JKA470                  | ELECTROLYTIC 50V 1UF ELECTROLYTIC 6.3V 47UF |         |
| C4014 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C4018 | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                           |         |
| C4020 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C4102 | ECQB1562JF3                  | POLYESTER 100V 5600PF                       |         |
| C4103 | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                           |         |
| C4104 | ECJ2VB1H103K                 | C CHIP 50V 0.01UF                           |         |
| C4105 | ECEA1CKA220                  | ELECTROLYTIC 16V 22UF                       |         |
| C4171 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C4502 | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                       |         |
| C4504 | ECEA1EKA4R7                  | ELECTROLYTIC 25V 4.7UF                      |         |
| C4506 | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                       |         |
| C4508 | ECA1CM221B                   | ELECTROLYTIC 16V 220UF                      |         |
| C4509 | ECJ2VB1E473K                 | C CHIP 25V 0.047UF                          |         |
| C4521 | ECA1EM102B                   | ELECTROLYTIC 25V 1000UF                     |         |
| C4524 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C5301 | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                       |         |
| C5302 | ECEA1EKA4R7                  | ELECTROLYTIC 25V 4.7UF                      |         |
| C5303 | ECEA1HKAR47                  | ELECTROLYTIC 50V 0.47UF                     |         |
| C5305 | ECEA1HKAR33                  | ELECTROLYTIC 50V 0.33UF                     |         |
| C5306 | ECEA1CKA100<br>ECEA1CKA100   | ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF |         |
| C5307 | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                       |         |
| C5401 | VCUSTBC224KB                 | C CHIP 16V 0.22UF                           |         |
| C5402 | ECJ2VB1H222K                 | C CHIP 50V 2200PF                           |         |
| C5403 | ECEA1HKA2R2                  | ELECTROLYTIC 50V 2.2UF                      |         |
| C5501 | ECJ2VB1E183K                 | C CHIP 25V 0.018UF                          |         |
| C5502 | ECJ2VB1H681K                 | C CHIP 50V 680PF                            |         |
| C5505 | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                       |         |
| C5506 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C5507 | ECEA1CKA100                  | ELECTROLYTIC 16V 10UF                       |         |
| C5508 | ECUV1H221JSN                 | C CHIP 50V 220PF                            |         |
| C5510 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C5511 | ECJ2VB1E333K                 | C CHIP 25V 0.033UF                          |         |
| C5516 | ECJ2VB1E333K                 | C CHIP 25V 0.033UF                          |         |
| C5601 | ECJ2VF1H103Z                 | C CHIP 50V 0.01UF                           |         |
| C5602 | ECJ2VB1E104K                 | C CHIP 25V 0.1UF                            |         |
| C5603 | ECJ2VC1H150J                 | C CHIP 50V 15PF                             |         |
| C5604 | ECEA1HKA010                  | ELECTROLYTIC 50V 1UF                        |         |
| C5605 | ECJ2VB1E153K                 | C CHIP 25V 0.015UF                          |         |
| C5902 | ECEA1CKA470                  | ELECTROLYTIC 16V 47UF                       |         |
| C5903 | ECEA1CKA470<br>ECJ2VB1C104K  | C CHIP 16V 0.1UF                            |         |
| 33304 | TOTAL                        |   | 1       |

| Ref.<br>No. | Part No.     | Part Name & Description  | Remarks |
|-------------|--------------|--------------------------|---------|
| C5905       | ECEA0JKA101  | ELECTROLYTIC 6.3V 100UF  |         |
| C5906       | ECJ2VF1H103Z | C CHIP 50V 0.01UF        |         |
| C5907       | ECJ2VF1E104Z | C CHIP 25V 0.1UF         |         |
| C5932       | ECJ2VF1H103Z | C CHIP 50V 0.01UF        |         |
| C6001       | ECEA0JKA331  | ELECTROLYTIC 6.3V 330UF  |         |
| C6002       | ECJ2VC1H080C | C CHIP 50V 8PF           |         |
| C6003       | ECJ2VC1H100C | C CHIP 50V 10PF          |         |
| C6004       | ECJ2VB1E104K | C CHIP 25V 0.1UF         |         |
| C6006       | ECEA0JKA101  | ELECTROLYTIC 6.3V 100UF  |         |
| C6009       | ECEA1CKA100  | ELECTROLYTIC 16V 10UF    |         |
| C6013       | ECJ2VC1H101J | C CHIP 50V 100PF         |         |
| C6017       | ECJ2VC1H101J | C CHIP 50V 100PF         |         |
| C6018       | ECJ2VC1H101J | C CHIP 50V 100PF         |         |
| C6020       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
| C6021       | ECEA0JKA101  | ELECTROLYTIC 6.3V 100UF  |         |
| C6023       | ECJ2VB1H103K | C CHIP 50V 0.01UF        |         |
| C6025       | ECEA0JKA470  | ELECTROLYTIC 6.3V 47UF   |         |
| C6029       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
| C6040       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C6041       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C6044       | ECJ2VF1E104Z | C CHIP 25V 0.1UF         |         |
| C6201       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C6202       | ECJ2VB1H102K | C CHIP 50V 0.01UF        |         |
| C6202       | ECJ2VB1H103K | C CHIP 50V 0.010F        |         |
| C6204       | ECJ2VB1H103K | C CHIP 50V 0.01UF        |         |
| C6207       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
| C6207       | ECEA1CKS100  | ELECTROLYTIC 16V 10UF    |         |
| C6209       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C6212       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
|             |              |                          |         |
| C6213       | ECEA0JKS331I | ELECTROLYTIC 6.3V 330UF  |         |
| C6214       | ECEA0JKS220  | ELECTROLYTIC 6.3V 22UF   |         |
| C6215       | ECJ2VB1H272K | C CHIP 50V 2700PF        |         |
| C6216       | ECJ2VB1H103K | C CHIP 50V 0.01UF        |         |
| C6220       | ECEA1CKA470  | ELECTROLYTIC 16V 47UF    |         |
| C6221       | ECEA0JKA101  | ELECTROLYTIC 6.3V 100UF  |         |
| C6302       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
| C6401       | ECJ2VF1H104Z | C CHIP 50V 0.1UF         |         |
| C6402       | ECEA0JKA101  | ELECTROLYTIC 6.3V 100UF  |         |
| C6403       | ECEA1HKA010  | ELECTROLYTIC 50V 1UF     |         |
| C6404       | ECJ2VC1H121J | C CHIP 50V 120PF         | -       |
| C6406       | ECEA1HKS010  | ELECTROLYTIC 50V 1UF     |         |
| C6408       | ECJ2VB1H222K | C CHIP 50V 2200PF        |         |
| C6410       | ECJ2VB1H103K | C CHIP 50V 0.01UF        |         |
| C7002       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C7006       | ECA0JM102B   | ELECTROLYTIC 6.3V 1000UF |         |
| C7007       | ECJ2VB1H102K | C CHIP 50V 1000PF        |         |
| C7008       | ECJ2VF1H103Z | C CHIP 50V 0.01UF        |         |
| C7010       | ECEA1HKA010  | ELECTROLYTIC 50V 1UF     |         |

| COII | 9 |
|------|---|

| Ref.  | Part No.     | Part Name & Description | Remarks     |
|-------|--------------|-------------------------|-------------|
| No.   |              | _                       |             |
| L501  | ELH5L6128    | COIL                    | $\triangle$ |
| L553  | VLQSW07D220M | COIL 22UH               |             |
| L802  | VLQSAE8D220M | COIL 22UH               |             |
| L803  | ELF21V018A   | LINE NOISE FILTER       | $\triangle$ |
| L803  | LLN63055A    | COIL                    | ⚠           |
| L1001 | ELF15N005A   | LINE FILTER 0.5A 18MH   | ⚠           |
| L1001 | ELF18D290A   | LINE FILTER 0.5A 18MH   | $\triangle$ |
| L1001 | G0B183D00001 | LINE FILTER 0.5A 18MH   | ⚠           |
| L1001 | J0HBLD000001 | LINE FILTER 0.5A 18MH   | ⚠           |
| L1001 | J0HBLD000002 | LINE FILTER 0.5A 18MH   | ⚠           |
| L1001 | VLQS0167     | LINE FILTER 0.5A 18MH   | ⚠           |
| L1001 | VLQS0170     | LINE FILTER 0.6A 18MH   | $\triangle$ |
| L1002 | VLQSAB7D220K | COIL 22UH               |             |
| L1003 | VLQSAB7D100K | COIL 10UH               |             |
| L1006 | J0JHB0000021 | FILTER                  |             |
| L1007 | G0C101KA0045 | COIL 100UH              |             |
| L3001 | G0C390KA0045 | COIL 39UH               |             |
| L3002 | ELESN101KA   | COIL 100UH              |             |
| L3005 | G0C330KA0045 | COIL 33UH               |             |
| L3010 | ELESN470KA   | COIL 47UH               |             |
| L3231 | ELESN221KA   | COIL 220UH              |             |
| L3301 | ELESN101KA   | COIL 100UH              |             |

| Ref.<br>No. | Part No.            | Part Name & Description | Remarks |
|-------------|---------------------|-------------------------|---------|
| L4001       | ELELN153KA          | COIL 15MH               |         |
| L4002       | ELESN101KA          | COIL 100UH              |         |
| L4004       | G0C220KA0045        | COIL 22UH               |         |
| L4101       | ELESN471KA          | COIL 470UH              |         |
| L5901       | ELESN101KA          | COIL 100UH              |         |
| L5902       | ELESN470KA          | COIL 47UH               |         |
| L6201       | ELEXT101KE04        | COIL 100UH              |         |
| L6401       | ELEXT101KE04        | COIL 100UH              |         |
| L6402       | <b>J0JBC0000022</b> | CHIP BEAD INDUCTOR      |         |
| L6403       | J0JBC0000022        | CHIP BEAD INDUCTOR      |         |
| L6404       | J0JBC0000022        | CHIP BEAD INDUCTOR      |         |
| L6405       | J0JBC0000022        | CHIP BEAD INDUCTOR      |         |
| L7002       | ELESN100KA          | COIL 10UH               |         |

CRYSTAL OSCILLATOR

|      | f. | Part No.     | Part Name & Description | Remarks |
|------|----|--------------|-------------------------|---------|
| X550 | 01 | H2A503300012 | CRYSTAL OSCILLATOR      |         |
| X560 | 01 | VSXS0190-TB  | CRYSTAL OSCILLATOR      |         |
| X60  | 01 | VSXS0784     | CRYSTAL OSCILLATOR      |         |

PIN HEADERS

| Ref.<br>No. | Part No.     | Part Name & Description              | Remarks |
|-------------|--------------|--------------------------------------|---------|
| P552        | LSJWS4N360LL | PIN HEADER                           |         |
| P801        | VEKS5809     | CONNECTOR CABLE W/OUT PLUG, 200V     |         |
| P803        | LSJP0814     | CONNECTOR 2P                         |         |
| P3001       | K1KA08A00305 | CONNECTOR 8P                         |         |
| P4001       | VJSS0888     | FE CONNECTOR 2P                      |         |
| P4002       | LSJWR6N120CL | PARALLEL WIRE                        |         |
| P4591       | K1KA02A00229 | CONNECTOR 2P                         |         |
| P5301       | LSJWR4N490LL | CONNECTOR CABLE W/OUT<br>PLUG,12V DC |         |
| P6001       | K1KA05A00268 | CONNECTOR 5P                         |         |
| P6201       | K1KA12A00234 | PIN HEADER                           |         |

**SWITCHES** 

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| SW6001      | LSSH0002     | LEAF SWITCH-SAFETY TAB  |         |
| SW6002      | K0N107C00002 | PUSH SWITCH             |         |
| SW6301      | EVQ21405R    | PUSH SWITCH             |         |
| SW6302      | EVQ21405R    | PUSH SWITCH             |         |
| SW6303      | EVQ21405R    | PUSH SWITCH             |         |
| SW6304      | EVQ21405R    | PUSH SWITCH             |         |
| SW6305      | EVQ21405R    | PUSH SWITCH             |         |
| SW6306      | EVQ21405R    | PUSH SWITCH             |         |
| SW6307      | EVQ21405R    | PUSH SWITCH             |         |
| SW6308      | EVQ21405R    | PUSH SWITCH             |         |
| SW6309      | EVQ21405R    | PUSH SWITCH             |         |
| SW6310      | EVQ21405R    | PUSH SWITCH             |         |
| SW6311      | EVQ21405R    | PUSH SWITCH             |         |

FUSE & PROTECTOR

| Ref.   | Part No.                            | Part Name & Description | Remarks     |
|--------|-------------------------------------|-------------------------|-------------|
| No.    |                                     |                         |             |
| F801   | K5D402AB0002                        | FUSE 125V 4A            | $\triangle$ |
| F801   | K5D402ADA002                        | FUSE 125V 4A            | $\triangle$ |
| F801   | K5D402ADA006                        | FUSE 125V 4A            | Δ           |
| F801   | K5D402AQ0002F<br>USE &<br>PROTECTOR | FUSE 125V 4A            | Δ           |
| F1001  | K5D162AQ0004                        | FUSE 125V 1.6A          | Δ           |
| F1001  | K5D162ADA001                        | FUSE 125V 1.6A          | Δ           |
| F1001  | K5D162ADA008                        | FUSE 125V 1.6A          | Δ           |
| PR1001 | UNH000600A                          | IC PROTECTOR 1.5A       | Δ           |
| PR1001 | B1ZAZ0000040                        | IC PROTECTOR 1.5A       | Δ           |
| PR1001 | LSSF009A25E                         | IC PROTECTOR 1.5A       | Δ           |
| PR1002 | UNH000600A                          | IC PROTECTOR 1.5A       | Δ           |
| PR1002 | B1ZAZ0000040                        | IC PROTECTOR 1.5A       | Δ           |
| PR1002 | LSSF009A25E                         | IC PROTECTOR 1.5A       | Δ           |

#### **RELAY** Part No. Part Name & Description Remarks Ref. No. RL801 LSSY0004 RELAY Δ RL801 K6B1AGA00042 RELAY,120V Δ RL801 TSEH0013 Δ RELAY RL801 TSEH1860-1 RELAY Δ

TRANSFORMER

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks     |
|-------------|--------------|-------------------------|-------------|
| T501        | ETH19Y70AY   | TRANSFORMER             |             |
| T551        | KFT4AB407F   | FLYBACK TRANSFORMER     | $\triangle$ |
| T1001       | ETS28AD2J3AC | SW TRANSFORMER          | Δ           |
| T1001       | LSTP0105     | TRANSFORMER             | Δ           |
| T1001       | VTPS0042     | SW TRANSFORMER          | Δ           |
| T4101       | G2A342C00003 | TRANSFORMER             |             |

**JACKS** 

| Ref.   | Part No.     | Part Name & Description       | Remarks |
|--------|--------------|-------------------------------|---------|
| JK4591 | K2HC103B0130 | FRONT AUDIO/VIDEO JACK SOCKET |         |
| JK4701 | K2HA104B0007 | EARPHONE JACK SOCKET          |         |

MISCELLANEOUS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| 483         | XYN3+F10S    | SCREW W/WASHER, STEEL   |         |
| 484         | XTW3+10J     | TAPPING SCREW, STEEL    |         |
| 487         | XYN3+J8      | SCREW W/WASHER, STEEL   |         |
| 711         | PNA4611M00HC | INFRARED RECEIVER UNIT  |         |
| 719         | VMFS0136     | SHEET, NYLON-RAYON      |         |
| 728         | LUS63008A    | HEAT SINK               |         |
| 743         | ENG36709GL   | TUNER, UHF/VHF NR       |         |
| 746         | LUS63001A    | HEAT SINK               |         |
| 751         | LML69001A    | ANODE LEAD CLAMPER      |         |
| 760         | TUC77628     | HEAT SINK               |         |
| 771         | EYF52BC      | FUSE HOLDER             |         |

### 14.3.2. HEAD AMP C.B.A.

INTEGRATED CIRCUITS

| Ref.<br>No. | Part No. | Part Name & Description | Remarks |
|-------------|----------|-------------------------|---------|
| IC3501      | AN3371SB | IC, LINEAR              |         |

RESISTORS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| R3507       | ERJ6GEYJ331V | MGF CHIP 1/10W 330      |         |

CAPACITORS

|             |              | CAPACITORS              |         |
|-------------|--------------|-------------------------|---------|
| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
| C3504       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |
| C3505       | ECEA1CKA470  | ELECTROLYTIC 16V 47UF   |         |
| C3506       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3508       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3511       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3512       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3513       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3528       | ECJ2VF1E104Z | C CHIP 25V 0.1UF        |         |
| C3529       | ECJ2VF1H103Z | C CHIP 50V 0.01UF       |         |

COILS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| L3501       | G0C101KA0045 | COIL 100UH              |         |

PIN HEADERS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| P3501       | K1KB08B00050 | CONNECTOR 8P            |         |

#### 14.3.3. CRT C.B.A.

TRANSISTORS

| Ref.<br>No. | Part No.   | Part Name & Description | Remarks |
|-------------|------------|-------------------------|---------|
| Q351        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q351        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| Q351        | 2SC3619    | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| Q352        | 2SC3619    | TRANSISTOR SI NPN       |         |
| Q353        | 2SC3063    | TRANSISTOR SI NPN       |         |
| Q353        | 2SC3271F-N | TRANSISTOR SI NPN       |         |
| 0353        | 2SC3619    | TRANSISTOR SI NPN       |         |

DIODES

| BIODEO |              |                         |         |  |
|--------|--------------|-------------------------|---------|--|
| Ref.   | Part No.     | Part Name & Description | Remarks |  |
|        |              |                         |         |  |
| D351   | MAZ41500MF   | DIODE ZENER 15V         |         |  |
| D351   | B0BA01400041 | DIODE ZENER 15V         |         |  |

**RESISTORS** 

| Ref.<br>No. | Part No.    | Part Name & Description | Remarks |
|-------------|-------------|-------------------------|---------|
| R351        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |
| R352        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |
| R353        | ERG2ANJ153H | METAL OXIDE 2W 15K      |         |
| R354        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |
| R355        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |
| R356        | ERD25TJ272  | CARBON 1/4W 2.7K        |         |
| R357        | ERDS2TJ332  | CARBON 1/4W 3.3K        |         |
| R358        | ERDS2TJ332  | CARBON 1/4W 3.3K        |         |
| R359        | ERDS2TJ332  | CARBON 1/4W 3.3K        |         |
| R360        | ERDS2TJ331  | CARBON 1/4W 330         |         |
| R361        | ERDS2TJ331  | CARBON 1/4W 330         |         |
| R362        | ERDS2TJ331  | CARBON 1/4W 330         |         |
| R363        | ERDS2TJ101  | CARBON 1/4W 100         |         |
| R364        | ERDS2TJ101  | CARBON 1/4W 100         |         |
| R365        | ERDS2TJ101  | CARBON 1/4W 100         |         |

CAPACITORS

| Ref. | Part No.     | Part Name & Description | Remarks |
|------|--------------|-------------------------|---------|
| C351 | F1D1H561A012 | CERAMIC 50V 560PF       |         |
| C352 | F1D1H561A012 | CERAMIC 50V 560PF       |         |
| C353 | F1D1H681A012 | CERAMIC 50V 680PF       |         |
| C354 | F1B3D1020008 | CERAMIC 2KV 1000PF      |         |

PIN HEADERS

| Ref.<br>No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| P353        | K3B09CA00005 | CRT SOCKET              |         |

MISCELLANEOUS

| Ref.<br>No. | Part No.  | Part Name & Description | Remarks |
|-------------|-----------|-------------------------|---------|
| 153         | TMM7443-1 | CLAMPER                 |         |